CCGS *W.E. Ricker* Gulf of Alaska Salmon Survey, March 9-24, 2001

D.W. Welch, J.F.T. Morris, M.E. Thiess, J.E. Zamon, M. Trudel, A.R. Ladouceur, M.C. Jacobs, T.B. Zubkowski, E. Demers, and M. Robert

Fisheries and Oceans Canada
Science Branch, Pacific Region
Pacific Biological Station
Nanaimo, BC
V9T 6N7

2004

Canadian Data Report of Fisheries and Aquatic Sciences 1142

Fisheries and Oceans Canada | Pêches et Océans Canada

Canada

Canadian Data Report of
Fisheries and Aquatic Sciences

Data reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of data reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries and aquatic sciences.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the issuing establishment. The correct citation appears above the abstract of each report. Data reports are abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Numbers 1 - 25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26 - 160 were issued as Department of Fisheries and the Environment, Fisheries and Marine Service Data Reports. The current series name was introduced with the publication of report number 161.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out-of-stock reports will be supplied for a fee by commercial agents.

Rapport statistique canadien des
sciences halieutiques et aquatiques

Les rapports statistiques servent à classer et à archiver les compilations de données pour lesquelles il y a peu ou point d'analyse. Ces compilations auront d'ordinaire été préparées à l'appui d'autres publications ou rapports. Les sujets des rapports statistiques reflètent la vaste gamme des intérêts et des politiques du ministère des Pêches et des Océans, c'est-à-dire les sciences halieutiques et aquatiques.

Les rapports statisiques ne sont pas destinés à une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports statisiques sont résumés dans la revue *Résumés des sciences aquatiques et halieutiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

Les numéros 1 à 25 de cette série ont été publiés à titre de relevés statistiques, Services des pêches et de la mer. Les numéros 26 à 160 ont été publiés à titre de rapports statistiques du Service des pêches et de la mer, ministère des Pêches et de l'Environnement. Le nom actuel de la série a été établi lors de la parution du numéro 161.

Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Canadian Data Report of
Fisheries and Aquatic Sciences 1142

2004

CCGS W.E. RICKER GULF OF ALASKA SALMON SURVEY, MARCH 9-24, 2001

by

D. W. Welch, J. F. T. Morris, M. E. Thiess, J. E. Zamon, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, E. Demers, and M. Robert

Fisheries and Oceans Canada
Science Branch, Pacific Region
Pacific Biological Station
Nanaimo, BC V9T 6N7

© Her Majesty the Queen in Right of Canada, 2004
Cat. No. Fs 97-13/1142E ISSN 0706-6465

Correct citation for this publication:

Welch, D. W., J. F. T. Morris, M. E. Thiess, J. E. Zamon, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, E. Demers, and M. Robert. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March 9-24, 2001. Can. Data Rep. Fish. Aquat. Sci. 1142: 67 p.

LIST OF TABLES

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001 10

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001. 13

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001. 35

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001. 42

Table 5. Coded Wire Tag (CWT) data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001. 49

LIST OF FIGURES

Figure 1. Fishing stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001 50

Figure 2. Oceanographic stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001. 51

Figure 3. Plankton stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001 52

Figure 4. Distribution of juvenile (age 0.1) pink salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 53

Figure 5. Distribution of juvenile (age 0.1) chum salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 54

Figure 6. Distribution of adult (age 0.2 and over) chum salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 55

Figure 7. Distribution of juvenile (age *.1) sockeye salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 56

Figure 8. Distribution of adult (age *.2 and over) sockeye salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 57

Figure 9. Distribution of juvenile (age *.1) coho salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 58

Figure 10. Distribution of catches of chinook salmon less100mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 59

Figure 11. Distribution of catches of chinook salmon from 100 to 199mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 60

Figure 12. Distribution of catches of chinook salmon from 200 to 299mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 61

Figure 13. Distribution of catches of chinook salmon from 300 to 349mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 62

Figure 14. Distribution of catches of chinook salmon from 350 to 399mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 63

Figure 15. Distribution of catches of chinook salmon from 400 to 499mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 64

Figure 16. Distribution of catches of chinook salmon equal to or greater than 500mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+) 65

Figure 17. Distribution of catches of chinook salmon from all size classes. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+). 66

Figure 18. Size distribution (fork length; mm) of Pacific salmon caught on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001 67

ABSTRACT

Welch, D. W., J. F. T. Morris, J. E. Zamon, M. E. Thiess, M. Trudel, A. R. Ladouceur, M. C. Jacobs,T. B. Zubkowski, E. Demers, and M. Robert. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March 9-24, 2001. Can. Data Rep. Fish. Aquat. Sci. 1142: 67 p.

The Highseas Salmon program of Fisheries and Oceans Canada conducted a survey of Pacific salmon in the Gulf of Alaska during March 9-24, 2001. The objectives of the surveys were to (1) evaluate the distribution and ecology of juvenile Pacific salmon (*Oncorhynchus spp.)* during their first year in the ocean, (2) describe the ambient oceanographic conditions, and (3) quantify the biomass of zooplankton, an important prey for Pacific salmon at sea. Oceanographic, fish and zooplankton sampling was conducted at stations from Juan du Fuca Strait (48.3 °N) to Icy Point off South-Central Alaska (58.4 °N).

A total of 857 Pacific salmon were caught on the survey. Of these, 681 were chinook salmon (*O. tshawytscha)*, and 159 were juvenile coho salmon (*O. kisutch*) that were in their first year in the ocean.

Juvenile chinook under 350mm in fork length were caught over the range of the survey including the west coast of Vancouver Island, the inlets of on the west coast of Vancouver Island, Dixon Entrance, Southeast Alaska, and inside Southeast Alaska. In sharp contrast, juvenile coho were caught only off the west coast of Vancouver Island and within the inlets of Vancouver Island.

RESUME

Welch, D. W., J. F. T. Morris, J. E. Zamon, M. E. Thiess, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, E. Demers, and M. Robert. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March 9-24, 2001. Can. Data Rep. Fish. Aquat. Sci. 1142: 67 p.

Le programme canadien des Saumons en Haute Mer de Pêches de Océans Canada a réalisé une étude sur les saumons du Pacifique dans le Golfe de l'Alaska du 9 au 24 mars 2001. Les objectifs de cette étude était de (1) évaluer la distribution et l'écologie des saumons du Pacifique (*Oncorhynchus* spp.) juvéniles durant leur première année en mer, (2) décrire les conditions océanographiques ambiantes, et (3) quantifier la biomasse de zooplancton, une proie importante des saumons du Pacifique dans l'océan. Nous avons mesuré les conditions océanographiques et échantillonné le zooplancton et les poissons à des stations situées entre le détroit de Juan de Fuca (48.3° N) et la pointe Glacée dans le Sud-Est de l'Alaska (58.4°N).

Un total de 857 saumons du Pacifique ont été capturés durant cette étude. De ce nombre, 681 étaient des saumons quinnats (*O. tshawytscha*) et 159 étaient des saumons cohos (*O. kisutch*) durant leur première année en mer.

Les saumons chinook juvéniles ayant une longueur à la fourche inférieure à 350mm ont été capturés sur tout le territoire couvert durant l'étude incluant la côte ouest de l'Île de Vancouver, les fjords sur la côte ouest de l'Île de Vancouver, le détroit de Dixon, le Sud-Est de l'Alaska, et les eaux intérieures du Sud-Est de l'Alaska. Contrairement aux chinooks juvéniles, les saumons cohos juvéniles ont seulement été capturés sur la côte ouest de l'Île de Vancouver et les fjords sur la côte ouest de l'Île de Vancouver.

INTRODUCTION

The Highseas Program of Fisheries and Oceans Canada has conducted annual Pacific salmon surveys in the Gulf of Alaska since 1995 [1-18]. The main objectives of these surveys were to collect information on (1) the distribution and ecology of Pacific salmon (*Oncorhynchus spp.*) during their ocean phase, (2) the ambient oceanographic conditions, and (3) the distribution and biomass of zooplankton.

This report documents the data collected for the survey completed during March 9-24, 2001. The survey design comprised fish, oceanographic and zooplankton sampling along transects spanning the area from the west coast of Vancouver Island to Icy Point, Alaska.

MATERIALS AND METHODS

General Survey Information

Figures 1, 2 and 3 show the fishing, oceanographic and zooplankton stations, respectively, completed by the *CCGS W.E. Ricker* during the March 9-24, 2001 survey. A total of 92 fishing stations, 91 oceanographic stations and 69 zooplankton stations were completed. A description of the stations and transects is included below:

1) 4 stations in Juan du Fuca Strait;
2) 16 stations on the west coast of Vancouver Island off Barkley Sound, Nootka Sound, Estevan Point, and Quatisino Sound, and along the the northern shore from Brooks Peninsula to Cape Scott;
3) 6 stations within Barkley Sound, Nootka Sound, and Quatsino Sound on Vancouver Island;
4) a cross-shelf transect starting in Queen Charlotte Sound and running through Triangle Island at the northern tip of Vancouver Island, with 7 stations;
5) 2 stations in Johnstone Strait, British Columbia;
6) 4 stations around Milbanke Sound on the central coast of British Columbia;
7) a transect across southern Hecate Strait with 7 stations;
8) 4 stations around Triple Island in Dixon Entrance and northern Hecate Strait;
9) 7 stations along the beach off Graham Island in Dixon Entrance;
10) 16 stations inside Southeast Alaska, including some in Chatham Strait, Sumner Strait, Clarence Strait, and Icy Stait, and 5 opportunistic stations off Southeast Alaska;
11) a cross-shelf transect near Forrester Island Southeast Alaska, with 4 stations;
12) a cross-shelf transect off Cape Edgecumbe off Southeast Alaska 5 stations;
13) a cross-shelf transect off Icy Point in South-Central Alaska with 5 stations.

Fishing Gear and Fishing Operations

The survey was conducted on the *CCGS W.E. Ricker*, a stern trawler 58 m in length which is powered by a 2,500 H.P. model AH 40 Akasaka diesel engine.

The *CCGS W.E. Ricker* towed a mid-water trawl, originally manufactured by Cantrawl Nets Ltd., Richmond, BC, and later modified to a model 240 trawl by the fishing crew. The trawl has a heavy-duty front end of hexagonal web made from 3/8 in. (9.5 mm) and 5/16 in. (7.9 mm) Tenex rope, and a tapered body made-up of 64 in. (163 cm), 32 in. (81.3 cm), 16 in. (40.6 cm), 8 in. (20.3 cm) and 4 in. (10.2 cm) polypropylene sections, an intermediate section of 3 in. (7.6 cm) polypropylene, and a codend of 1.5 in. (3.8 cm) knotted nylon lined with 0.25 in. mesh (64 mm). The trawl has three 40 m bridles of 5/8 in. (1.6 cm) wire rope per side that are attached with a single hook-up to 5 m Jet doors. Typically, 100-150 m of 1.25 in. (3.2 cm) warp was paid out to tow the trawl at the surface.

The *CCGS W.E. Ricker* was able to tow the trawl at the surface at 5 knots (2.6 m s^{-1}) in good sea conditions, and this typically achieved a mouth opening of approximately 28 m wide by 16 m deep as measured acoustically by a Scanmar trawl eye mounted on the headrope. In rough weather, the trawl was towed at headrope depths down to 15 m.

Oceanographic Sampling

At oceanographic stations, the scientific crew (1) conducted CTD (conductivity-temperature-depth) casts, (2) sampled surface seawater with a Niskin bottle for nitrate, phosphate, silicate, and salinity determinations, and (3) filtered surface seawater through 7mm GF-F disks for chlorophyll *a* determinations.

The nutrient and chlorophyll *a* samples were stored frozen.

CTD casts were conducted to 1,000 m or within 5 m of the bottom with a Seabird SBE 911+ probe. Several calibration samples from selected CTD casts were collected over the course of the survey with Niskin bottles at depths where the salinities were stable.

Zooplankton Sampling

Oblique bongo tows to approximately 150 m or within 10 m of the bottom were conducted with two 57 cm diameter, 253 μm Nitex nets. One of the nets was equipped with a flowmeter. Standard sampling protocol was followed and consisted of a 0.3 m s^{-1} net retrieval speed while towing at 2 knots (1.0 m s^{-1}) after reaching the target depth. Most bongo tows were completed within 20 minutes from the time of deployment.

Zooplankton collected from the net with the flowmeter were preserved in 10% formalin and sent to the zooplankton laboratory at the Institute of Ocean Sciences, Fisheries and Oceans Canada (Sidney, BC) for species classification and enumeration. Zooplankton taken from the net without flowmeter were sorted into four size fractions by successively sieving through 8.0, 1.7, 1.0, and 0.25 mm screens. Each size fraction was weighed wet, dried at 60°C for 48 hours, re-weighed, and stored in plastic bags for future stable isotope, bomb calorimetry, and proximate analyses.

RESULTS

Salmon Catch Data

Table 1 reports information on trawl tows and a summary of Pacific salmon catches for this survey. Tow information includes: station ID, transect name, sampling region, date and time, start latitude (°N) and longitude (°W), heading (°T; degrees true), and bottom depth (m). Station ID numbers consisted of the Pacific Biological Station cruise designation "HS200109", where HS stands for High Seas, followed by a tow number "HS200109-X01" where , in this case, "X01" is a station in Juan du Fuca Strait. The station ID number serves as the primary key in the High Seas salmon database that links fishing tow information with the oceanographic and zooplankton tables.

For each tow, catch totals are provided for all chinook salmon (*O. tshawytscha*) ("CK") that includes all ages and size classes, and separately for juveniles and adults of chum salmon (*O. keta*) ("CM"), coho salmon (*O. kisutch*) ("CO"), pink salmon (*O. gorbuscha*) ("PK"), and sockeye salmon (*O. nerka*) ("SE").

In this report, juveniles pink, chum, sockeye, and coho salmon are defined as being in their first winter in the ocean. This definition includes both age (X.0+) salmon from May 1 to December 31 and age (X.1+) salmon from January 1 to April 30. Adults are defined as being age (X.1+) or more on or after May 1. Age separation was determined based on examination of size distributions (fork length) which showed non-overlapping size modes for chum, coho, pink and sockeye salmon. Chinook salmon were not divided into juveniles and adults based on size since there is considerable overlap among size modes that represent the multiple age groups.

The abbreviations for the regions in Tables 1, 3, and 4, and the CWT recovery regions in Table 5 are:

SCA	South-Central Alaska (Icy Point-Kayak Island)
SEA	Southeast Alaska
ISEA	inside channels of Southeast Alaska
DE	Dixon Entrance
IBC	inside channels of central British Columbia
HS	Hecate Strait
QCSD	Queen Charlotte Sound

VI	west coast Vancouver Island
IVI	the inlets on the west coast of Vancouver Island
JS	Johnstone Strait
JF	Juan du Fuca Strait

Biological Data

Table 2 reports the detailed biological data collected from each Pacific salmon caught during the survey. Individual salmon were assigned a fish number which consisted of the cruise identifier (e.g., "HS200109"), followed hierarchically by tow number, species code and sample number. For example, "HS200109-X01-124-001" refers to tow number "X01" on the survey, species code "124" for chinook salmon, and the sample number "001" (within tow and species). We used the following codes from Fisheries and Oceans' Salmon Stock Assessment database: 108, pink salmon; 112, chum salmon; 115, coho salmon; 118, sockeye salmon; and 124, chinook salmon.

Biological data collected for each salmon includes (when available): species common name, fork length (mm), whole body weight (g wet), sex, stomach content weight (g wet), % water (based on the ratio of dry to wet whole body weight), coded wire tag number (CWT; if present), pit tag number (if present), and observed fin clip (if present).

Catch Distributions

Juvenile chinook under 350mm in forklength were caught over the range of the survey: off the west coast of Vancouver Island, in the inlets of on the west coast of Vancouver Island, in Dixon Entrance, off Southeast Alaska, and inside Southeast Alaska (Figures 10-13). In sharp contrast, juvenile coho (age X.1+) were caught exclusively off the west coast of Vancouver Island and within the inlets of Vancouver Island (Figure 9).

Juvenile chinook were caught within the range of 1 to1000 fish per tow close to the beach on the continental shelf off the west coast of Vancouver and within the inlets on Vancouver Island (Figures 10-13).

In Southeast Alaska, juvenile chinook catches were caught mostly in Sumner Strait within the range of 1 to 100 fish per tow (Figures 10-13).

Juvenile coho were caught within the range of 1 to 100 fish per tow on the west coast of Vancouver Island (Figure 9).

One juvenile pink (age 0.1+) was caught in Juan du Fuca (Figure 4).

One juvenile chum (age 0.1+) was caught:off Estevan Point on the west coast of Vancouver Island, and seven in total were caught in Dixon Entrance and on the Forrester Island transect off Southeast Alaska (Figure 5).

Juvenile sockeye (age X.1+) were caught on just two tows off Southeast Alaska and South-Central Alaska: 1 off Cape Edgecumbe and 6 off Icy Point (Figure 7).

Sizes of Juvenile Salmon

Figure 18 shows the length frequencies for the chinook and coho that were caught on the survey.

Juvenile coho, which were only caught off the west coast of Vancouver Island, averaged 331mm in fork length and ranged from 254 to 394mm.

The seven juvenile sockeye caught on this survey averaged 276mm in forklength, and ranged from 255 to 288mm.

The eight juvenile chum averaged 240mm in forklength, and ranged from 224 to 268mm.

The juvenile pink was 265mm in forklength.

Smaller size classes of juvenile chinook were caught in the southern regions than in the northern regions. In a comparison where juvenile chinook that were less that 350mm in forklength were selected, juvenile chinook averaged 223mm in the inlets on the west coast of Vancouver Island, 247mm off the west coast of Vancouver Island, and 284mm inside Southeast Alaska.

CWT Recoveries

Table 5 reports the details on the coded wire tag (CWT) salmon caught during the survey. Reported information includes: the coded wire tag number, the assigned fish number, species common name, the date and region of recovery, the fork length (mm) at capture, the release area, the name of the agency and hatchery that released the tagged fish, the brood year, and dates of first and second hatchery releases.

The abbreviations for release agencies in Table 5 are:

CDFO	Canadian Department of Fisheries and Oceans
FWS	U.S. Fisheries and Wildlife Service
MUCK	Muckleshoot Tribe, Washington
ODFW	Oregon Department of Fish and Wlidlife
WDFW	Washington Department of Fish and Wlidlife
NEZP	Nez Perce Tribe

The abbreviations for release areas in Table 5 are:

CECR	Central Columbia River
LOCR	Lower Columbia River
UPCR	Upper Columbia River
NOOK	Nooksack-Samish River
FRTH	Fraser River – Thompson River, B.C.
JNST	Johnstone Strait, B.C.
MPS	mid-Puget Sound, Washington
SNAK	Snake River
WCVI	west coast Vancouver Island, B.C.

All eighteen CWT chinook from this survey were recovered off the west coast of Vancouver Island and the inlets along Vancouver Island. Of these, eleven were ocean-type chinook that were age 0.1 at capture, of which nine had been released in the spring of 2000 and two in the fall of 2000. Six of these eleven age 0.1 chinook were from Vancouver Island hatcheries, one was from the Chehalis hatchery on the Fraser river basin, two were from the Soos Creek and Samish River in Washington State, and the two, which were the fall releases, were from the Columbia – Snake River basin.

Seven CWT recoveries were stream-type chinook released from hatcheries on the Columbia – Snake River basin. Of these, five were age 1.1 that had been released in the spring of 2000, and two were age 1.2 that had been released in the spring of 1999.

Two CWT coho were recovered within the inlets on the west coast of Vancouver Island. Both were age 1.1 at capture, and had been released from the Quinsam hatchery into Johnstone Strait , and from the Keta Creek hatchery into Puget Sound, Washington, in the spring of 2000.

Oceanographic Data

Table 3 reports the physical oceanographic data collected during the survey, including the station ID number, transect, region, the date and time in UTC, the latitude (°N) and longitude (°W), sea surface temperature (SST; °C) and salinity (SSS; ppt) taken from the CTD files, sea surface salinities (ppt) determined from the sample bottles that were used to calibrate the CTD probe, nitrate, silicate and phosphate concentrations (μmol L^{-1}), and chlorophyll *a* (μg L^{-1}).

The CTD files are available through the website of the Canadian Department of Fisheries and Oceans, Ocean Science and Productivity division (OSAP) at:

http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm

Zooplankton Data

Table 4 reports the zooplankton data by station collected by the Bongo tows, including the station ID number, transect, region, latitude (°N) and longitude (°W), bottom depth (m), the date and time, target depth (m), tow duration, wire angle (degrees), and volume of ocean water sampled in cubic meters that is calculated from the flow meter readings. Also shown are the dry weights (g) of zooplankton which were standardised to 1,000 cubic meters sampled for the 8.0, 1.7, 1.0, and 0.25 mm size factions as well as for the total sample.

REFERENCES

1) Welch, D. W., J. F. T. Morris, E. Demers, and H. R. Carlson. 2002. *F.V. Anita J.* Gulf of Alaska salmon survey, March 25 - April 9, 1995. Can. Data Rep. Fish. Aquat. Sci. 1097: 19 p.

2) Welch, D. W., J. F. T. Morris, E. Demers, and H. R. Carlson. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 2-20, 1995. Can. Data Rep. Fish. Aquat. Sci. 1098: 23 p.

3) Welch, D. W., J. F. T. Morris, E. Demers, and B. L. Wing. 2002. *F.V. Columbia* Gulf of Alaska salmon survey, October 7 - November 10, 1995. Can. Data Rep. Fish. Aquat. Sci. 1099: 112 p.

4) Welch D. W., J. F. T. Morris, E. Demers, and J.P. Eveson. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October, 1996. Can. Data Rep. Fish. Aquat. Sci. 1100: 64 p.

5) Welch, D. W., J. F. T. Morris, and E. Demers. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, March - April, 1997. Can. Data Rep. Fish. Aquat. Sci. 1101: 19 p.

6) Welch, D. W., J. F. T. Morris, and E. Demers. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, November - December, 1997. Can. Data Rep. Fish. Aquat. Sci. 1102: 45 p.

7) Welch, D. W., J. F. T. Morris, A. R. Ladouceur, S. Tucker, and E. Demers. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon surveys, 1998. Can. Data Rep. Fish. Aquat. Sci. 1103: 188 p.

8) Welch, D. W., J. F. T. Morris, A. R. Ladouceur, S. Tucker, and E. Demers. 2002. *CCGS W.E. Ricker* Gulf of Alaska salmon surveys, 1999. Can. Data Rep. Fish. Aquat. Sci. 1104: 113p.

9) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, and D. J. Anderson. 2003. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, June 27 to July 6, 2000. Can. Data Rep. Fish. Aquat. Sci. 1125: 110 p.

10) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, E. Demers, and J. E. Zamon. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, June 14-24, 2001. Can. Data Rep. Fish. Aquat. Sci. 1135: 86 p.

11) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, T. B. Zubkowski, H. R. MacLean, M. C. Jacobs, and P. M. Winchell. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 9 to November 5, 2001. Can. Data Rep. Fish. Aquat. Sci. 1136: 145 p.

12) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, and H. R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, August 15-26, 2002. Can. Data Rep. Fish. Aquat. Sci. 1137: 121 p.

13) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur,T. B. Zubkowski, M. C. Jacobs, P.M. Winchell, and H. R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 17 to November 9, 2002. Can. Data Rep. Fish. Aquat. Sci. 1138: 122 p.

14) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, T. B. Zubkowski, M. C. Jacobs, P. M. Winchell, and H. R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 14-26, 2003. Can. Data Rep. Fish. Aquat. Sci. 1139: 65 p.

15) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, J. E. Zamon, T. B. Zubkowski, A. R. Ladouceur, M. C. Jacobs, M. Robert, and M. Wyeth. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 4-30, 2000. Can. Data Rep. Fish. Aquat. Sci. 1141: 205 p.

16) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, P. M. Winchell, and H. R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, February 27 to March 17, 2002. Can. Data Rep. Fish. Aquat. Sci. 1143: 56 p.

17) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, T. B. Zubkowski, M. C. Jacobs, P. M. Winchell, and H. R. MacLean. 2004. *CCGS W. E. Ricker* Gulf of Alaska salmon survey, June 9-11, 2003. Data Rep. Fish. Aquat. Sci. 1144: 54 p.

18) Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, M. C. Jacobs, T. B. Zubkowski, and H. R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska salmon survey, October 8-27, 2003. Can. Data Rep. Fish. Aquat. Sci. 1145: 116 p.

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200109X01	JUAN DU FUCA	JF	09-Mar-01	13:33	48.287	123.610	283	2.6	187	1	0	0	0	0	1	0	0	0
HS200109X02	JUAN DU FUCA	JF	09-Mar-01	15:52	48.323	123.819	262	4.3	165	0	0	0	0	0	0	0	0	0
HS200109X03	JUAN DU FUCA	JF	09-Mar-01	17:22	48.387	124.054	268	5.8	67	0	0	0	0	0	0	0	0	0
HS200109X04	JUAN DU FUCA	JF	09-Mar-01	19:07	48.449	124.297	302	6.3	71	0	0	0	0	0	0	0	0	0
HS200109X05	BARKLEY SD	IVI	10-Mar-01	06:16	48.953	125.119	225	5.1	91	56	0	0	2	0	0	0	0	0
HS200109X06	BARKLEY SD	IVI	10-Mar-01	07:51	48.900	125.216	207	5	103	41	0	0	64	0	0	0	0	0
HS200109X07	LAPEROUSE BK	VI	10-Mar-01	09:41	48.794	125.304	282	5	85	72	0	0	4	0	0	0	0	0
HS200109X08	LAPEROUSE BK	VI	10-Mar-01	11:41	48.833	125.539	286	4.9	71	27	0	0	7	0	0	0	0	0
HS200109X09	LAPEROUSE BK	VI	10-Mar-01	13:32	48.870	125.759	286	4.4	78	12	0	0	1	0	0	0	0	0
HS200109X10	LAPEROUSE BK	VI	10-Mar-01	15:43	48.902	125.979	299	4.2	59	7	0	0	0	0	0	0	0	0
HS200109X11	LAPEROUSE BK	VI	10-Mar-01	17:51	48.966	126.181	302	4.1	91	0	0	0	0	0	0	0	0	0
HS200109X12	LAPEROUSE BK	VI	10-Mar-01	19:06	49.024	126.255	291	4	99	0	0	0	0	0	0	0	0	0
HS200109X13	NOOTKA SD	IVI	11-Mar-01	07:24	49.636	126.494	211	4.9	140	16	0	0	0	0	0	0	0	0
HS200109X14	NOOTKA SD	IVI	11-Mar-01	08:51	49.599	126.538	247	4.8	137	30	0	0	2	0	0	0	0	0
HS200109X15	NOOTKA SD	VI	11-Mar-01	10:17	49.556	126.633	224	4.6	80	47	0	0	21	0	0	0	0	0
HS200109X16	NOOTKA SD	VI	11-Mar-01	11:36	49.510	126.700	237	4.6	45	129	1	0	34	0	0	0	0	0
HS200109X17	ESTEVAN PT	VI	11-Mar-01	12:53	49.476	126.779	244	4.6	54	28	0	1	0	0	0	0	0	0
HS200109X18	ESTEVAN PT	VI	11-Mar-01	15:12	49.398	127.073	244	4.7	150	2	0	0	0	0	0	0	0	0
HS200109X19	ESTEVAN PT	VI	11-Mar-01	17:59	49.302	127.383	269	5	1275	0	0	0	0	0	0	0	0	0
HS200109X20	QUATSINO SD	IVI	12-Mar-01	06:11	50.519	127.680	237	5	133	20	0	0	1	0	0	0	0	0
HS200109X21	QUATSINO SD	IVI	12-Mar-01	08:05	50.483	127.859	254	4.8	167	26	0	0	22	0	0	0	0	0
HS200109X22	OFF QUATSINO SD	VI	12-Mar-01	09:57	50.412	128.010	221	4.4	167	5	0	0	1	0	0	0	0	0
HS200109X23	N VAN IS	VI	12-Mar-01	11:20	50.397	128.099	295	4.3	77	1	0	0	0	0	0	0	0	0
HS200109X24	VAN IS N	VI	12-Mar-01	12:51	50.432	128.198	295	4.3	111	0	0	0	0	0	0	0	0	0
HS200109X25	N VAN IS	VI	12-Mar-01	14:53	50.496	128.439	286	3.7	185	0	0	0	0	0	0	0	0	0
HS200109X26	N VAN IS	VI	12-Mar-01	17:15	50.569	128.676	306	3.8	480	0	0	0	0	0	0	0	0	0
HS200109X27	SEAFORTH CH	IBC	13-Mar-01	07:22	52.228	128.228	308	2.9	247	0	0	0	0	0	0	0	0	0
HS200109X28	MILBANKE SD	IBC	13-Mar-01	09:57	52.311	128.546	10	5.1	313	0	0	0	0	0	0	0	0	0
HS200109X29	FINLAYSON CH	IBC	13-Mar-01	12:27	52.514	128.449	354	4.1	308	0	0	0	0	0	0	0	0	0
HS200109X30	FINLAYSON CH	IBC	13-Mar-01	14:09	52.701	128.447	351	4.9	367	0	0	0	0	0	0	0	0	0
HS200109X31	GRAHAM REACH	IBC	13-Mar-01	16:55	52.947	128.512	354	4.6	393	0	0	0	0	0	0	0	0	0
HS200109X32	DIXON E	DE	14-Mar-01	08:34	54.325	131.131	272	5.9	66	0	0	0	0	0	0	0	0	0
HS200109X33	ROSE SPIT	DE	14-Mar-01	12:08	54.184	131.741	230	4.3	43	2	0	0	0	0	0	0	0	0
HS200109X34	McINTYRE BAY	DE	14-Mar-01	13:24	54.136	131.954	291	2.3	41	1	3	0	0	0	0	0	0	0
HS200109X35	McINTYRE BAY	DE	14-Mar-01	15:35	54.137	132.193	258	4.7	47	1	0	0	0	0	0	0	0	0
HS200109X36	WIAH PT	DE	14-Mar-01	17:08	54.128	132.435	284	5.1	54	0	0	0	0	0	0	0	0	0
HS200109X37	SHAG RK	DE	14-Mar-01	18:30	54.174	132.671	282	4.8	50	0	0	0	0	0	0	0	0	0
HS200109X38	LANGARA IS	DE	14-Mar-01	20:08	54.221	132.905	321	5.4	135	1	3	0	0	0	0	0	0	0

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200109X39	FORRESTER IS	SEA	15-Mar-01	06:12	54.792	133.045	260	5.3	126	0	1	0	0	0	0	0	0	0
HS200109X40	FORRESTER IS	SEA	15-Mar-01	07:44	54.778	133.185	257	5.9	207	0	0	0	0	0	0	0	0	0
HS200109X41	FORRESTER IS	SEA	15-Mar-01	09:11	54.763	133.318	256	5.6	125	0	0	0	0	0	0	0	0	0
HS200109X42	FORRESTER IS	SEA	15-Mar-01	10:42	54.746	133.457	233	5.4	149	0	0	0	0	0	0	0	0	0
HS200109X43	DOLGOI IS	SEA	15-Mar-01	14:07	54.810	133.018	333	4.2	170	0	0	0	0	0	0	0	0	0
HS200109X44	RIKWELL PT	SEA	15-Mar-01	15:56	54.912	133.125	305	4.8	92	0	0	0	0	0	0	0	0	0
HS200109X45	FISHERMAN'S COVE	SEA	15-Mar-01	17:46	55.025	133.270	344	4.4	63	0	0	0	0	0	0	0	0	0
HS200109X46	SUMNER ST	ISEA	16-Mar-01	06:14	56.208	133.843	168	5	222	9	0	0	0	0	0	0	0	0
HS200109X47	SUMNER ST	ISEA	16-Mar-01	07:58	56.100	133.861	184	5.3	222	24	0	0	0	0	0	0	0	0
HS200109X48	AFFLECK CANAL	ISEA	16-Mar-01	10:08	56.067	134.073	195	4.9	134	1	0	0	0	0	0	0	0	0
HS200109X49	C DECISION	SEA	16-Mar-01	11:57	55.981	134.177	260	5.5	131	0	0	0	0	0	0	0	0	0
HS200109X50	PT CROWLEY	SEA	16-Mar-01	13:40	56.047	134.256	331	5.6	65	0	0	0	0	0	0	0	0	0
HS200109X51	TABLE BAY	ISEA	16-Mar-01	15:25	56.179	134.318	341	5.7	121	5	0	0	0	0	0	0	0	0
HS200109X52	PT COSMOS	ISEA	16-Mar-01	17:20	56.326	134.350	357	5.3	381	0	0	0	0	0	0	0	0	0
HS200109X53	PT AUGUSTA	ISEA	17-Mar-01	06:13	56.057	134.905	289	5.1	560	0	0	0	0	0	0	0	0	0
HS200109X54	ICY ST	ISEA	17-Mar-01	08:02	58.101	135.122	282	5.1	228	0	0	0	0	0	0	0	0	0
HS200109X55	ICY ST	ISEA	17-Mar-01	11:06	58.303	135.565	264	5.3	192	0	0	0	0	0	0	0	0	0
HS200109X56	ICY ST	ISEA	17-Mar-01	12:49	58.274	135.873	239	5.5	74	1	0	0	0	0	0	0	0	0
HS200109X57	ICY ST	ISEA	17-Mar-01	15:46	58.278	136.452	238	5.3	263	0	0	0	0	0	0	0	0	0
HS200109X58	ICY ST	ISEA	17-Mar-01	16:39	58.233	136.552	207	5	168	0	0	0	0	0	0	0	0	0
HS200109X59	C SPENCER	SEA	17-Mar-01	18:13	58.175	136.681	262	4.5	82	0	0	0	0	0	0	0	0	0
HS200109X61	ICY PT	SCA	18-Mar-01	06:10	58.397	137.259	311	8.3	164	0	0	0	0	0	0	0	0	0
HS200109X62	ICY PT	SCA	18-Mar-01	08:34	58.371	137.637	270	2.5	190	5	0	0	0	0	0	0	0	0
HS200109X63	ICY PT	SCA	18-Mar-01	09:27	58.369	137.764	267	5	178	1	0	0	0	0	0	0	0	0
HS200109X64	ICY PT	SCA	18-Mar-01	11:18	58.360	138.049	259	4.1	131	0	0	0	0	0	0	0	0	0
HS200109X65	ICY PT	SCA	18-Mar-01	13:31	58.358	138.440	263	5.1	129	0	0	0	0	0	0	0	1	0
HS200109X66	ICY PT	SCA	18-Mar-01	14:55	58.361	138.684	242	5.3	69	0	0	0	0	0	0	0	0	0
HS200109X67	ICY PT	SCA	18-Mar-01	16:28	58.339	138.926	244	4.8	80	0	0	0	0	0	0	0	0	0
HS200109X68	C EDGECUMBE	SEA	19-Mar-01	11:00	56.789	136.737	67	4.3	2207	0	0	0	0	0	0	0	0	0
HS200109X70	C EDGECUMBE	SEA	19-Mar-01	15:31	56.880	136.137	74	4.5	1200	0	0	0	0	0	0	0	0	0
HS200109X71	C EDGECUMBE	SEA	19-Mar-01	17:22	56.918	135.833	97	4.5	142	0	0	0	0	0	0	0	6	0
HS200109X72	C EDGECUMBE	SEA	19-Mar-01	18:46	56.871	135.685	158	4.3	146	0	0	0	0	0	0	0	0	0
HS200109X73	SUMNER ST	ISEA	20-Mar-01	06:57	56.168	133.777	9	5	320	38	0	0	0	0	0	0	0	0
HS200109X74	SUMNER ST	ISEA	20-Mar-01	08:58	56.306	133.776	347	4.4	372	1	0	0	0	0	0	0	0	0
HS200109X75	SUMNER ST	ISEA	20-Mar-01	14:09	56.377	133.624	97	3.5	237	51	0	0	0	0	0	0	0	0
HS200109X76	CLARENCE ST	ISEA	20-Mar-01	18:48	56.191	132.826	153	4.7	70	10	0	0	0	0	0	0	0	0
HS200109X77	CLARENCE ST	ISEA	21-Mar-01	06:11	54.860	131.814	198	5.4	413	0	0	0	0	0	0	0	0	0
HS200109X78	CELESTIAL RF	DE	21-Mar-01	09:43	54.573	131.621	156	4.5	287	10	0	0	0	0	0	0	0	0

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200109X79	TRIPLE IS	DE	21-Mar-01	13:33	54.394	131.068	173	4	98	0	0	0	0	0	0	0	0	0
HS200109X80	BUTTERWORTH RK	HS	21-Mar-01	16:12	54.171	131.010	172	4.6	54	0	0	0	0	0	0	0	0	0
HS200109X81	SEUL RKS	HS	21-Mar-01	17:50	54.038	130.975	181	4.5	53	0	0	0	0	0	0	0	0	0
HS200109X82	HECATE ST	HS	22-Mar-01	06:12	52.581	130.990	102	5	111	0	0	0	0	0	0	0	0	0
HS200109X83	HECATE ST	HS	22-Mar-01	08:10	52.532	130.722	107	4.4	129	0	0	0	0	0	0	0	0	0
HS200109X84	HECATE ST	HS	22-Mar-01	10:17	52.480	130.454	109	4.9	195	0	0	0	0	0	0	0	0	0
HS200109X85	HECATE ST	HS	22-Mar-01	12:20	52.423	130.197	117	4.3	336	0	0	0	0	0	0	0	0	0
HS200109X86	HECATE ST	HS	22-Mar-01	14:26	52.368	129.941	113	4.6	192	0	0	0	0	0	0	0	0	0
HS200109X87	HECATE ST	HS	22-Mar-01	16:32	52.306	129.662	109	4.9	202	0	0	0	0	0	0	0	0	0
HS200109X88	HECATE ST	HS	22-Mar-01	18:10	52.256	129.425	106	4.4	165	0	0	0	0	0	0	0	0	0
HS200109X92	TRIANGLE IS	VI	23-Mar-01	12:36	50.832	129.205	38	4.4	91	0	0	0	0	0	0	0	0	0
HS200109X93	TRIANGLE IS	QCSD	23-Mar-01	14:33	50.943	128.992	57	4.2	62	0	0	0	0	0	0	0	0	0
HS200109X94	TRIANGLE IS	QCSD	23-Mar-01	16:04	51.006	128.863	43	3.8	62	0	0	0	0	0	0	0	0	0
HS200109X95	TRIANGLE IS	QCSD	23-Mar-01	17:18	51.078	128.729	50	4.8	64	0	0	0	0	0	0	0	0	0
HS200109X96	JOHNSTONE ST	JS	24-Mar-01	07:16	50.525	126.679	113	3.1	470	0	0	0	0	0	0	0	0	0
HS200109X97	JOHNSTONE ST	JS	24-Mar-01	09:02	50.491	126.436	86	3.6	360	0	0	0	0	0	0	0	0	0
									Totals	681	8	1	159	0	1	0	7	0
															Overall total			857

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X01-124-001	CHINOOK	233	146	M	3.13			
HS200109-X05-124-001	CHINOOK	207	100	M	0.36	0.1	T184541	AD
HS200109-X05-124-002	CHINOOK	229	146	M	1.43			
HS200109-X05-124-003	CHINOOK	234	154	M	0.68			
HS200109-X05-124-004	CHINOOK	323	383	M	1.51			
HS200109-X05-124-005	CHINOOK	223	128	M	0.82			
HS200109-X05-124-006	CHINOOK	223	130	M	1.29			
HS200109-X05-124-007	CHINOOK	348	523	F	1.36			
HS200109-X05-124-008	CHINOOK	275	232	F	0.42			
HS200109-X05-124-009	CHINOOK	218	123	M	2.16			
HS200109-X05-124-010	CHINOOK	220	129	M	0.73			
HS200109-X05-124-011	CHINOOK	209	98	M	0.6			
HS200109-X05-124-012	CHINOOK	260	200	F	0.7			
HS200109-X05-124-013	CHINOOK	176	59	M	0.65			
HS200109-X05-124-014	CHINOOK	210	111	M	0.86			
HS200109-X05-124-015	CHINOOK	230	146	M	0.46			
HS200109-X05-124-016	CHINOOK	221	122	F	0.31			
HS200109-X05-124-017	CHINOOK	197	90	F	0.24			
HS200109-X05-124-018	CHINOOK	221		F	0.59			
HS200109-X05-124-019	CHINOOK	240	166	M	0.82			
HS200109-X05-124-020	CHINOOK	218	125	M	1.68			
HS200109-X05-124-021	CHINOOK	216	116	F	0.33			
HS200109-X05-124-022	CHINOOK	223	125	F	0.5			
HS200109-X05-124-023	CHINOOK	220	127	M	0.54			
HS200109-X05-124-024	CHINOOK	219	118	F	1.07			
HS200109-X05-124-025	CHINOOK	214	115	F	0.59			
HS200109-X05-124-026	CHINOOK	218	115	M	0.28			
HS200109-X05-124-027	CHINOOK	226	147	M	2.27			
HS200109-X05-124-028	CHINOOK	192	79	M	0.29			
HS200109-X05-124-029	CHINOOK	224	128	M	2.25			
HS200109-X05-124-030	CHINOOK	222	129	F	1.31			
HS200109-X05-124-031	CHINOOK	468	1192	F				
HS200109-X05-124-032	CHINOOK	454	1028	F				
HS200109-X05-124-033	CHINOOK	202	92					
HS200109-X05-124-034	CHINOOK	204	96					
HS200109-X05-124-035	CHINOOK	229	136					
HS200109-X05-124-036	CHINOOK	204	99					
HS200109-X05-124-037	CHINOOK	229	144					
HS200109-X05-124-038	CHINOOK	264	204					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X05-124-039	CHINOOK	219	121					
HS200109-X05-124-040	CHINOOK	210	110					
HS200109-X05-124-041	CHINOOK	205	95					
HS200109-X05-124-042	CHINOOK	207	101					
HS200109-X05-124-043	CHINOOK	222	123					
HS200109-X05-124-044	CHINOOK	201	84					
HS200109-X05-124-045	CHINOOK	199	90					
HS200109-X05-124-046	CHINOOK	221	124					
HS200109-X05-124-047	CHINOOK	194	81					
HS200109-X05-124-048	CHINOOK	210	102					
HS200109-X05-124-049	CHINOOK	202	93					
HS200109-X05-124-050	CHINOOK	209	98					
HS200109-X05-124-051	CHINOOK	210	101					
HS200109-X05-124-052	CHINOOK	208	97					
HS200109-X05-124-053	CHINOOK	207	100					
HS200109-X05-124-054	CHINOOK	218	111					
HS200109-X05-124-055	CHINOOK	219	121					
HS200109-X05-124-056	CHINOOK	205	98					
HS200109-X06-124-001	CHINOOK	279	254	M	3.38			AD
HS200109-X06-124-002	CHINOOK	253	180	M	1.43			AD
HS200109-X06-124-003	CHINOOK	220	118	M	0.17			
HS200109-X06-124-004	CHINOOK	210	100	F	0.59			
HS200109-X06-124-005	CHINOOK	224	162	F	3.4			
HS200109-X06-124-006	CHINOOK	232	141	F	3.14			
HS200109-X06-124-007	CHINOOK	231	144	F	4.83			
HS200109-X06-124-008	CHINOOK	245	179	F	5.03			
HS200109-X06-124-009	CHINOOK	230	151	F	0.8			
HS200109-X06-124-010	CHINOOK	229	141	M	4.61			
HS200109-X06-124-011	CHINOOK	221	121	F	1.08			
HS200109-X06-124-012	CHINOOK	259	207	M	1.24			
HS200109-X06-124-013	CHINOOK	251	192	M	0.5			
HS200109-X06-124-014	CHINOOK	222	120	M	1.79			
HS200109-X06-124-015	CHINOOK	222	137	F	0.39			
HS200109-X06-124-016	CHINOOK	272	229	M	0.62			
HS200109-X06-124-017	CHINOOK	310	344	F	0.18			
HS200109-X06-124-018	CHINOOK	296	311	F	6.22			
HS200109-X06-124-019	CHINOOK	228	146	M	3.61			
HS200109-X06-124-020	CHINOOK	240	165	F	2			
HS200109-X06-124-021	CHINOOK	226	140	F	1.12			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X06-124-022	CHINOOK	258	205	F	1.23			
HS200109-X06-124-023	CHINOOK	260	200	M	3.84			
HS200109-X06-124-024	CHINOOK	219	120	F	0.77			
HS200109-X06-124-025	CHINOOK	201	93	F	0.68			
HS200109-X06-124-026	CHINOOK	238	161	F	1.78			
HS200109-X06-124-027	CHINOOK	218	104	F	0.48			
HS200109-X06-124-028	CHINOOK	227	143	F	3.01			
HS200109-X06-124-029	CHINOOK	215	117	F	2.7			
HS200109-X06-124-030	CHINOOK	217	118	F	1.1			
HS200109-X06-124-031	CHINOOK	216	119					
HS200109-X06-124-032	CHINOOK	225	137					
HS200109-X06-124-033	CHINOOK	442	1087	F				
HS200109-X06-124-034	CHINOOK	496	1411	F				
HS200109-X06-124-035	CHINOOK	528	1454	F				
HS200109-X06-124-036	CHINOOK	520	1606	M				
HS200109-X06-124-037	CHINOOK	432	939	F				AD
HS200109-X06-124-038	CHINOOK	501	1440	F				
HS200109-X06-124-039	CHINOOK	409	837	M				AD
HS200109-X06-124-040	CHINOOK	470	1230	F				AD
HS200109-X06-124-041	CHINOOK	490	1281					
HS200109-X07-124-001	CHINOOK	235	148	M	0.77			
HS200109-X07-124-002	CHINOOK	219	126	M	4.96			
HS200109-X07-124-003	CHINOOK	215	120	M	5.38			
HS200109-X07-124-004	CHINOOK	239	156	F	4.82			
HS200109-X07-124-005	CHINOOK	218	129	F	1.57			
HS200109-X07-124-006	CHINOOK	256	197	F	1.73			
HS200109-X07-124-007	CHINOOK	239	175	M	1.81			AD
HS200109-X07-124-008	CHINOOK	248	216	M	2.54			
HS200109-X07-124-009	CHINOOK	208	113	F	3.16			
HS200109-X07-124-010	CHINOOK	276	260	F	9.04			
HS200109-X07-124-011	CHINOOK	248	169	M	1.27			AD
HS200109-X07-124-012	CHINOOK	233	148	F	5.97			
HS200109-X07-124-013	CHINOOK	236	169	M	6.21			
HS200109-X07-124-014	CHINOOK	272	235	F	5.83			AD
HS200109-X07-124-015	CHINOOK	248	174	F	0.56			
HS200109-X07-124-016	CHINOOK	213	113	M	2.69			
HS200109-X07-124-017	CHINOOK	235	183	M	1.61			
HS200109-X07-124-018	CHINOOK	316	384	F	8.26			
HS200109-X07-124-019	CHINOOK	226	135	F	0.62			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X07-124-020	CHINOOK	263	228	M	4.48			
HS200109-X07-124-021	CHINOOK	244	170	M	1.16	0.1	T184517	AD
HS200109-X07-124-022	CHINOOK	210	113	M	1.2			
HS200109-X07-124-023	CHINOOK	249	166	M	0.53			
HS200109-X07-124-024	CHINOOK	261	201	M	6.49			
HS200109-X07-124-025	CHINOOK	235	150	M	3.8	0.1	T093135	AD
HS200109-X07-124-026	CHINOOK	240	169	M	2.99	0.1	T630171	AD
HS200109-X07-124-027	CHINOOK	245	166	F	2.02	0.1	T182135	AD
HS200109-X07-124-028	CHINOOK	254	190	M	4.85			
HS200109-X07-124-029	CHINOOK	240	167	F	5.06			
HS200109-X07-124-030	CHINOOK	269	257	M	8.09	NAE	BLANK	
HS200109-X07-124-031	CHINOOK			M	1.37			
HS200109-X07-124-032	CHINOOK	245	180					
HS200109-X07-124-033	CHINOOK	231	138					
HS200109-X07-124-034	CHINOOK	201	103					
HS200109-X07-124-035	CHINOOK	221	129					
HS200109-X07-124-036	CHINOOK	217	115					
HS200109-X07-124-037	CHINOOK	203	106					
HS200109-X07-124-038	CHINOOK	240	177					
HS200109-X07-124-039	CHINOOK	248	192					
HS200109-X07-124-040	CHINOOK	239	163					
HS200109-X07-124-041	CHINOOK	221	126					
HS200109-X07-124-042	CHINOOK	208	108					
HS200109-X07-124-043	CHINOOK	233	155					
HS200109-X07-124-044	CHINOOK	210	108					
HS200109-X07-124-045	CHINOOK	231	157					
HS200109-X07-124-046	CHINOOK	433	981	F				
HS200109-X07-124-047	CHINOOK	404	805	F				
HS200109-X07-124-048	CHINOOK	429	881	F				
HS200109-X07-124-049	CHINOOK	214	129					
HS200109-X07-124-050	CHINOOK	228	141					
HS200109-X07-124-051	CHINOOK	214	115					
HS200109-X07-124-052	CHINOOK	221	126					
HS200109-X07-124-053	CHINOOK	258	190					
HS200109-X07-124-054	CHINOOK	221	123					
HS200109-X07-124-055	CHINOOK	226	141					
HS200109-X07-124-056	CHINOOK	229	156					
HS200109-X07-124-057	CHINOOK	217	130					
HS200109-X07-124-058	CHINOOK	234	155					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X07-124-059	CHINOOK	225	140					
HS200109-X07-124-060	CHINOOK	223	137					
HS200109-X07-124-061	CHINOOK	198	89					
HS200109-X07-124-062	CHINOOK	219	132					
HS200109-X07-124-063	CHINOOK	251	196					
HS200109-X07-124-064	CHINOOK	219	128					
HS200109-X07-124-065	CHINOOK	231	156					
HS200109-X07-124-066	CHINOOK	218	129					
HS200109-X07-124-067	CHINOOK	206	108					
HS200109-X07-124-068	CHINOOK	223	134					
HS200109-X07-124-069	CHINOOK	220	131					
HS200109-X07-124-070	CHINOOK	207	101					
HS200109-X07-124-071	CHINOOK	215	116					
HS200109-X07-124-072	CHINOOK	226	139					
HS200109-X08-124-001	CHINOOK	258	202	F	1.21			
HS200109-X08-124-002	CHINOOK	238	162	M	1.99			
HS200109-X08-124-003	CHINOOK	199	87	M	0.99			
HS200109-X08-124-004	CHINOOK	230	147	M	0.55			
HS200109-X08-124-005	CHINOOK	244	179	F	0.67			
HS200109-X08-124-006	CHINOOK	217	121	F	1.67			
HS200109-X08-124-007	CHINOOK	242	172	F	1.03			
HS200109-X08-124-008	CHINOOK	252	187	M	0.72			
HS200109-X08-124-009	CHINOOK	274	251	M	1.12			
HS200109-X08-124-010	CHINOOK	242	186	F	2.56			
HS200109-X08-124-011	CHINOOK	242	173	F	0.82			
HS200109-X08-124-012	CHINOOK	226	130	M	0.93			
HS200109-X08-124-013	CHINOOK	248	177	M	2.3			
HS200109-X08-124-014	CHINOOK	227	137	M	2.31			
HS200109-X08-124-015	CHINOOK	222	129	M	1.72			
HS200109-X08-124-016	CHINOOK	210	111	M	0.93			
HS200109-X08-124-017	CHINOOK	240	167	M	0.81			
HS200109-X08-124-018	CHINOOK	239	166	F	0.69			
HS200109-X08-124-019	CHINOOK	226	143	M	1.1			
HS200109-X08-124-020	CHINOOK	237	163	M	4.84			
HS200109-X08-124-021	CHINOOK	248	169	F	1.22			AD
HS200109-X08-124-022	CHINOOK	208	95	M	0.75			
HS200109-X08-124-023	CHINOOK	236	150	F	0.66			
HS200109-X08-124-024	CHINOOK	245	186	F	0.74			
HS200109-X08-124-025	CHINOOK	267	220	F	1.88			AD

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X08-124-026	CHINOOK	232	157	M	0.47			
HS200109-X08-124-027	CHINOOK	221	127	M	1.91			
HS200109-X09-124-001	CHINOOK	218	129	M	1.29			
HS200109-X09-124-002	CHINOOK	227	156	M	1.14			
HS200109-X09-124-003	CHINOOK	265	220	F	1.28			
HS200109-X09-124-004	CHINOOK	253	180	F	1.25			
HS200109-X09-124-005	CHINOOK	230	140	M	2.85			
HS200109-X09-124-006	CHINOOK	245	169	M	1.77			
HS200109-X09-124-007	CHINOOK	262	203	M	4.64			AD
HS200109-X09-124-008	CHINOOK	239	162	U	6.17			AD
HS200109-X09-124-009	CHINOOK	232	155	F	2.52			AD
HS200109-X09-124-010	CHINOOK	232	160	M	1.44			
HS200109-X09-124-011	CHINOOK	243	172	F	3.16	0.1	T630173	AD
HS200109-X09-124-012	CHINOOK	336	496	M	12.76			
HS200109-X10-124-001	CHINOOK	279	255	M	6.19			
HS200109-X10-124-002	CHINOOK	288	292	M	5.06			
HS200109-X10-124-003	CHINOOK	241	171	F	6.5			
HS200109-X10-124-004	CHINOOK	245	185	F	4.1			
HS200109-X10-124-005	CHINOOK	241	174	F	1.12			
HS200109-X10-124-006	CHINOOK	305	383	F	3.26			
HS200109-X10-124-007	CHINOOK	235	150	M	4.09			
HS200109-X13-124-001	CHINOOK	206	93	M	0.54	0.1	T182215	AD
HS200109-X13-124-002	CHINOOK	238	148	M	0.9	0.1	T182215	AD
HS200109-X13-124-003	CHINOOK	211	106	M	0.72			
HS200109-X13-124-004	CHINOOK	210	106	F	0.44			
HS200109-X13-124-005	CHINOOK	206	99	F	0.4			
HS200109-X13-124-006	CHINOOK	207	98	M	0.33			
HS200109-X13-124-007	CHINOOK	191	81	M	0.68			
HS200109-X13-124-008	CHINOOK	206	94	M	0.61			
HS200109-X13-124-009	CHINOOK	209	100	M	0.75			
HS200109-X13-124-010	CHINOOK	211	104	F	1.52			
HS200109-X13-124-011	CHINOOK	208	98	M	1.02			
HS200109-X13-124-012	CHINOOK	214	106	F	0.92			
HS200109-X13-124-013	CHINOOK	210	97	M	0.56			
HS200109-X13-124-014	CHINOOK	201	88	F	0.51			
HS200109-X13-124-015	CHINOOK	208	102	F	0.75			
HS200109-X13-124-016	CHINOOK	406	762	M	2.85			
HS200109-X14-124-001	CHINOOK	205	97	M	0.69			
HS200109-X14-124-002	CHINOOK	209	100	F	0.72			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X14-124-003	CHINOOK	202	93	M	1.09			
HS200109-X14-124-004	CHINOOK	206	109	F	0.39			
HS200109-X14-124-005	CHINOOK	230	143	M	0.27			
HS200109-X14-124-006	CHINOOK	212	102	F	1.13			
HS200109-X14-124-007	CHINOOK	217	119	M	1.45			
HS200109-X14-124-008	CHINOOK	208	100	F	0.27			
HS200109-X14-124-009	CHINOOK	211	102	M	0.68			
HS200109-X14-124-010	CHINOOK	210	98	F	0.36			
HS200109-X14-124-011	CHINOOK	277	262	M	0.9			
HS200109-X14-124-012	CHINOOK	198	87	M	1.06			
HS200109-X14-124-013	CHINOOK	211	109	M	1			
HS200109-X14-124-014	CHINOOK	202	98	F	0.64			
HS200109-X14-124-015	CHINOOK	218	115	M	1.11			
HS200109-X14-124-016	CHINOOK	198	93	M	1.31			
HS200109-X14-124-017	CHINOOK	211	113	F	1.09			
HS200109-X14-124-018	CHINOOK	200	100	M	1.05			
HS200109-X14-124-019	CHINOOK	205	97	M	1.95			
HS200109-X14-124-020	CHINOOK	215	106	F	1.03			
HS200109-X14-124-021	CHINOOK	210	105	M	1.25			
HS200109-X14-124-022	CHINOOK	434	924	F	5.69			AD
HS200109-X14-124-023	CHINOOK	428	873	F	0.87			
HS200109-X14-124-024	CHINOOK	434	984	F	21.15			
HS200109-X14-124-025	CHINOOK	333	468	M	1.8			
HS200109-X14-124-026	CHINOOK	494	1401					
HS200109-X14-124-027	CHINOOK	492	1434					
HS200109-X14-124-028	CHINOOK	518	1687					
HS200109-X14-124-029	CHINOOK	510	1827					
HS200109-X14-124-030	CHINOOK	596	2610					
HS200109-X15-124-001	CHINOOK	229	137	M	0.59			
HS200109-X15-124-002	CHINOOK	296	332	F	11			
HS200109-X15-124-003	CHINOOK	210	109	F	0.56			
HS200109-X15-124-004	CHINOOK	233	145	F	2.37			
HS200109-X15-124-005	CHINOOK	202	98	F	1.18			
HS200109-X15-124-006	CHINOOK	231	143	M	1.81			
HS200109-X15-124-007	CHINOOK	240	163	F	0.75			
HS200109-X15-124-008	CHINOOK	208	108	M	1.08			
HS200109-X15-124-009	CHINOOK	221	127	M	3.57			
HS200109-X15-124-010	CHINOOK	215	113	M	0.54			
HS200109-X15-124-011	CHINOOK	219	128	M	1.19			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X15-124-012	CHINOOK	220	119	F	1.92			
HS200109-X15-124-013	CHINOOK	277	240	F	1.92			
HS200109-X15-124-014	CHINOOK	237	156	M	2.13			
HS200109-X15-124-015	CHINOOK	213	116	M	2.23			
HS200109-X15-124-016	CHINOOK	224	125	M	0.73			
HS200109-X15-124-017	CHINOOK	239	146	F	0.93			
HS200109-X15-124-018	CHINOOK	236	145	F	0.64			
HS200109-X15-124-019	CHINOOK	279	243	M	1.57			
HS200109-X15-124-020	CHINOOK	421	928	M	6.68			
HS200109-X15-124-021	CHINOOK	429	943	F	1.06			
HS200109-X15-124-022	CHINOOK	389	660	F	8.67			
HS200109-X15-124-023	CHINOOK	400	748	F	4.78			
HS200109-X15-124-024	CHINOOK	315	388	M	9.81			
HS200109-X15-124-025	CHINOOK	279	246	M	0.81			
HS200109-X15-124-026	CHINOOK	270	232	F	0.81			
HS200109-X15-124-027	CHINOOK	361	601	F	6.12			
HS200109-X15-124-028	CHINOOK	392	539	M	2			
HS200109-X15-124-029	CHINOOK	403	691	F	9.7	1.2	T631025	
HS200109-X15-124-030	CHINOOK	360	576	F	2.79	1.1	T631061	AD
HS200109-X15-124-031	CHINOOK	622	3002	M		1.2	T630610	
HS200109-X15-124-032	CHINOOK	451	1107					
HS200109-X15-124-033	CHINOOK	633	3052					
HS200109-X15-124-034	CHINOOK	569	2276					
HS200109-X15-124-035	CHINOOK	477	1265					
HS200109-X15-124-036	CHINOOK	444	976					
HS200109-X15-124-037	CHINOOK	503	1602					
HS200109-X15-124-038	CHINOOK	597	2718					
HS200109-X15-124-039	CHINOOK	519	1712					
HS200109-X15-124-040	CHINOOK	445	984					
HS200109-X15-124-041	CHINOOK	522	1656					
HS200109-X15-124-042	CHINOOK	587	2434					
HS200109-X15-124-043	CHINOOK	532	1916					
HS200109-X15-124-044	CHINOOK	226	127					
HS200109-X15-124-045	CHINOOK	248	174					
HS200109-X15-124-046	CHINOOK	213	113					
HS200109-X15-124-047	CHINOOK	207	100					
HS200109-X16-124-001	CHINOOK	340	462	F	3.47	1.1	T631148	AD
HS200109-X16-124-002	CHINOOK	402	686	M	1.9	1.1	T631061	AD
HS200109-X16-124-003	CHINOOK	345	503	M	16.77	1.1	T631061	AD

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X16-124-004	CHINOOK	253	214	M	9.21	0.1	T182215	AD
HS200109-X16-124-005	CHINOOK	252	208	M	11.75	1.0	T054522	AD
HS200109-X16-124-006	CHINOOK	243	199	M	9.91			
HS200109-X16-124-007	CHINOOK	330	429	M	20.02			AD
HS200109-X16-124-008	CHINOOK	288	316	M	12.61			
HS200109-X16-124-009	CHINOOK	274	281	M	10.55			
HS200109-X16-124-010	CHINOOK	244	196	F	7.88			
HS200109-X16-124-011	CHINOOK	260	234	F	3.52			
HS200109-X16-124-012	CHINOOK	250	196	F	7.05			
HS200109-X16-124-013	CHINOOK	253	205	F	7.54			
HS200109-X16-124-014	CHINOOK	264	233	M	13.62			
HS200109-X16-124-015	CHINOOK	240	196	M	7.22			
HS200109-X16-124-016	CHINOOK	276	276	F	15.25			
HS200109-X16-124-017	CHINOOK	278	273	M	10.86			
HS200109-X16-124-018	CHINOOK	251	222	F	9.04			
HS200109-X16-124-019	CHINOOK	259	229	F	11.55			AD
HS200109-X16-124-020	CHINOOK	283	279	M	8.32			AD
HS200109-X16-124-021	CHINOOK	248	204	F	6.78			
HS200109-X16-124-022	CHINOOK	282	279	F	10.72			
HS200109-X16-124-023	CHINOOK	253	203	F	5.11			
HS200109-X16-124-024	CHINOOK	238	190	F	8.87			
HS200109-X16-124-025	CHINOOK	238	175	F	6.83			
HS200109-X16-124-026	CHINOOK	312	360	M	2.51			
HS200109-X16-124-027	CHINOOK	238	177	F	4.92			
HS200109-X16-124-028	CHINOOK	253	188	M	7.38			
HS200109-X16-124-029	CHINOOK	274	247	M	3.04			
HS200109-X16-124-030	CHINOOK	274	282	M	13.4			
HS200109-X16-124-031	CHINOOK	325	474					
HS200109-X16-124-032	CHINOOK	255	221					
HS200109-X16-124-033	CHINOOK	216	138					
HS200109-X16-124-034	CHINOOK	257	215					
HS200109-X16-124-035	CHINOOK	249	197					
HS200109-X16-124-036	CHINOOK	291	296					
HS200109-X16-124-037	CHINOOK	252	198					
HS200109-X16-124-038	CHINOOK	219	125					
HS200109-X16-124-039	CHINOOK	255	232					
HS200109-X16-124-040	CHINOOK	247	207					
HS200109-X16-124-041	CHINOOK	249	209					
HS200109-X16-124-042	CHINOOK	239	183					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X16-124-043	CHINOOK	239	202					
HS200109-X16-124-044	CHINOOK	285	299					
HS200109-X16-124-045	CHINOOK	237	163					
HS200109-X16-124-046	CHINOOK	267	245					
HS200109-X16-124-047	CHINOOK	265	251					
HS200109-X16-124-048	CHINOOK	247	198					
HS200109-X16-124-049	CHINOOK	272	253					
HS200109-X16-124-050	CHINOOK	390	681					
HS200109-X16-124-051	CHINOOK	238	184					
HS200109-X16-124-052	CHINOOK	242	183					
HS200109-X16-124-053	CHINOOK	242	202					
HS200109-X16-124-054	CHINOOK	229	149					
HS200109-X16-124-055	CHINOOK	246	196					
HS200109-X16-124-056	CHINOOK	250	292					
HS200109-X16-124-057	CHINOOK	224	137					
HS200109-X16-124-058	CHINOOK	245	193					
HS200109-X16-124-059	CHINOOK	226	147					
HS200109-X16-124-060	CHINOOK	226	153					
HS200109-X16-124-061	CHINOOK	307	337					
HS200109-X16-124-062	CHINOOK	250	204					
HS200109-X16-124-063	CHINOOK	217	116					
HS200109-X16-124-064	CHINOOK	243	171					
HS200109-X16-124-065	CHINOOK	229	149					
HS200109-X16-124-066	CHINOOK	220	128					
HS200109-X16-124-067	CHINOOK	262	240					
HS200109-X16-124-068	CHINOOK	250	196					
HS200109-X16-124-069	CHINOOK	232	165					
HS200109-X16-124-070	CHINOOK	260	211					
HS200109-X16-124-071	CHINOOK	219	125					
HS200109-X16-124-072	CHINOOK	285	270					
HS200109-X16-124-073	CHINOOK	255	203					
HS200109-X16-124-074	CHINOOK	289	271					
HS200109-X16-124-075	CHINOOK	258	227					
HS200109-X16-124-076	CHINOOK	317	410					
HS200109-X16-124-077	CHINOOK	279	273					
HS200109-X16-124-078	CHINOOK	264	222					
HS200109-X16-124-079	CHINOOK	250	201					
HS200109-X16-124-080	CHINOOK	235	170					
HS200109-X16-124-081	CHINOOK	236	163					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X16-124-082	CHINOOK	227	153					
HS200109-X16-124-083	CHINOOK	268	270					
HS200109-X16-124-084	CHINOOK	233	165					
HS200109-X16-124-085	CHINOOK	246	194					
HS200109-X16-124-086	CHINOOK	306	331					
HS200109-X16-124-087	CHINOOK	239	169					
HS200109-X16-124-088	CHINOOK	262	223					
HS200109-X16-124-089	CHINOOK	238	171					
HS200109-X16-124-090	CHINOOK	237	168					
HS200109-X16-124-091	CHINOOK	258	215					
HS200109-X16-124-092	CHINOOK	226	147					
HS200109-X16-124-093	CHINOOK	242	177					
HS200109-X16-124-094	CHINOOK	286	298					
HS200109-X16-124-095	CHINOOK	235	150					
HS200109-X16-124-096	CHINOOK	248	205					
HS200109-X16-124-097	CHINOOK	252	201					
HS200109-X16-124-098	CHINOOK	233	155					
HS200109-X16-124-099	CHINOOK	297	289					
HS200109-X16-124-100	CHINOOK	262	223					
HS200109-X16-124-101	CHINOOK	219	126					
HS200109-X16-124-102	CHINOOK	223	132					
HS200109-X16-124-103	CHINOOK	215	128					
HS200109-X16-124-104	CHINOOK	242	185					
HS200109-X16-124-105	CHINOOK	256	197					
HS200109-X16-124-106	CHINOOK	215	122					
HS200109-X16-124-107	CHINOOK	228	134					
HS200109-X16-124-108	CHINOOK	236	150					
HS200109-X16-124-109	CHINOOK	231	153					
HS200109-X16-124-110	CHINOOK	215	139					
HS200109-X16-124-111	CHINOOK	309	343					
HS200109-X16-124-112	CHINOOK	215	125					
HS200109-X16-124-113	CHINOOK	268	223					
HS200109-X16-124-114	CHINOOK	250	187					
HS200109-X16-124-115	CHINOOK	215	120					
HS200109-X16-124-116	CHINOOK	245	188					
HS200109-X16-124-117	CHINOOK	225	136					
HS200109-X16-124-118	CHINOOK	272	255					
HS200109-X16-124-119	CHINOOK	248	178					
HS200109-X16-124-120	CHINOOK	256	193					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X16-124-121	CHINOOK	578	2337					
HS200109-X16-124-122	CHINOOK	441	1033					
HS200109-X16-124-123	CHINOOK	427	954					
HS200109-X16-124-124	CHINOOK	408	847					
HS200109-X16-124-125	CHINOOK	455	1088					
HS200109-X16-124-126	CHINOOK	461	1050					
HS200109-X16-124-127	CHINOOK	452	1121					
HS200109-X16-124-128	CHINOOK	218	110					
HS200109-X16-124-129	CHINOOK	227	143					
HS200109-X17-124-001	CHINOOK	263	243	M	4.66			
HS200109-X17-124-002	CHINOOK	238	171	F	0.97			
HS200109-X17-124-003	CHINOOK	246	185	M	5.25			
HS200109-X17-124-004	CHINOOK	293	314	M	6.79			
HS200109-X17-124-005	CHINOOK	293	323	F	11.5			
HS200109-X17-124-006	CHINOOK	244	176	U	3.19			
HS200109-X17-124-007	CHINOOK	303	347	F	16.29			
HS200109-X17-124-008	CHINOOK	300	326	F	0.99			
HS200109-X17-124-009	CHINOOK	299	318	M	10.9			
HS200109-X17-124-010	CHINOOK	312	383	F	8.99			
HS200109-X17-124-011	CHINOOK	269	243	F	6.77			
HS200109-X17-124-012	CHINOOK	270	232	M	9.31			
HS200109-X17-124-013	CHINOOK	267	236	F	6.63			
HS200109-X17-124-014	CHINOOK	262	229	M	8.96			
HS200109-X17-124-015	CHINOOK	249	199	F	1.07			
HS200109-X17-124-016	CHINOOK	291	317	M	11.58			
HS200109-X17-124-017	CHINOOK	260	228	M	2.37			
HS200109-X17-124-018	CHINOOK	272	243	F	5.82			
HS200109-X17-124-019	CHINOOK	255	216	M	6.83			
HS200109-X17-124-020	CHINOOK	259	204	F	2.39			
HS200109-X17-124-021	CHINOOK	271	238	F	6.77			
HS200109-X17-124-022	CHINOOK	283	312	M	6.42			
HS200109-X17-124-023	CHINOOK	268	258	M	11.33			
HS200109-X17-124-024	CHINOOK	296	316	F	13.56			
HS200109-X17-124-025	CHINOOK	247	190	M	2.29			
HS200109-X17-124-027	CHINOOK	272	241	M	1.07			AD
HS200109-X17-124-028	CHINOOK	241	196	F	5.64			
HS200109-X17-124-029	CHINOOK	245	190	F	4.16			
HS200109-X18-124-001	CHINOOK	480	1290	M	4.48			
HS200109-X18-124-002	CHINOOK	295	339	M	5.92			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X20-124-001	CHINOOK	250	178	F	0.68			
HS200109-X20-124-002	CHINOOK	240	159	F	1.13			
HS200109-X20-124-003	CHINOOK	222	132	M	0.6			
HS200109-X20-124-004	CHINOOK	239	150	M	0.5			
HS200109-X20-124-005	CHINOOK	273	237	F	1.38			
HS200109-X20-124-006	CHINOOK	258	198	F	0.53			
HS200109-X20-124-007	CHINOOK	228	147	M	0.67			
HS200109-X20-124-008	CHINOOK	219	126	M	0.5			
HS200109-X20-124-009	CHINOOK	223	125	M	0.53			
HS200109-X20-124-010	CHINOOK	208	99	F	0.48			
HS200109-X20-124-011	CHINOOK	218	115	M	0.65			
HS200109-X20-124-012	CHINOOK	240	156	F	0.73			
HS200109-X20-124-013	CHINOOK	207	103	M	0.42			
HS200109-X20-124-014	CHINOOK	211	103	M	0.46			
HS200109-X20-124-015	CHINOOK	220	121	F	0.51			
HS200109-X20-124-016	CHINOOK	221	139	M	0.94			
HS200109-X20-124-017	CHINOOK	209	103	M	0.53			
HS200109-X20-124-018	CHINOOK	224	133	M	0.46			
HS200109-X20-124-019	CHINOOK	395	616	F	1.07			AD
HS200109-X20-124-020	CHINOOK	362	536	F	1.92	1.1	T092925	AD
HS200109-X21-124-001	CHINOOK	220	117	M	0.22	0.1	T184516	AD
HS200109-X21-124-002	CHINOOK	236	154	M	0.46			
HS200109-X21-124-003	CHINOOK	212	106	F	0.79			
HS200109-X21-124-004	CHINOOK	256	185	F	0.96			
HS200109-X21-124-005	CHINOOK	292	302	F	0.31			
HS200109-X21-124-006	CHINOOK	262	199	M	1.12			
HS200109-X21-124-007	CHINOOK	218	119	F	0.31			
HS200109-X21-124-008	CHINOOK	198	92	F	1.11			
HS200109-X21-124-009	CHINOOK	188	81	F	0.5			
HS200109-X21-124-010	CHINOOK	212	117	M	0.35			
HS200109-X21-124-011	CHINOOK	228	141	F	0.28			
HS200109-X21-124-012	CHINOOK	190	74	F	0.44			
HS200109-X21-124-013	CHINOOK	194	80	F	0.55			
HS200109-X21-124-014	CHINOOK	192	75	F	0.24			
HS200109-X21-124-015	CHINOOK	219	112	M	0.2			
HS200109-X21-124-016	CHINOOK	200	88	M	0.28			
HS200109-X21-124-017	CHINOOK	253	177	F	0.99			
HS200109-X21-124-018	CHINOOK	240	164	M	0.58			
HS200109-X21-124-019	CHINOOK	221	123	M	0.5			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X21-124-020	CHINOOK	228	135	F	0.32			
HS200109-X21-124-021	CHINOOK	208	100	M	0.31			
HS200109-X21-124-022	CHINOOK	205	97	M	0.5			
HS200109-X21-124-023	CHINOOK	201	97	M	2.2			
HS200109-X21-124-024	CHINOOK	206	108	F	2.83			
HS200109-X21-124-025	CHINOOK	228	144	F	1.11			
HS200109-X21-124-026	CHINOOK	207	105	M	0.96			
HS200109-X22-124-001	CHINOOK	224	130	M	0.9			
HS200109-X22-124-002	CHINOOK	204	101	F	1.17			
HS200109-X22-124-003	CHINOOK	225	130	M	2.35			
HS200109-X22-124-004	CHINOOK	230	129	F	1.07			
HS200109-X22-124-005	CHINOOK	218	127	F	0.96			
HS200109-X23-124-001	CHINOOK	226	141	M	2.14			
HS200109-X33-124-001	CHINOOK	303	335	M	7.03			
HS200109-X33-124-002	CHINOOK	268	243	F	1.37			
HS200109-X34-124-001	CHINOOK	267	231	F	5.95			
HS200109-X35-124-001	CHINOOK	272	252	F	3.34			
HS200109-X38-124-001	CHINOOK	306	339	F	1.31			
HS200109-X46-124-001	CHINOOK	344	482	F	0.88			
HS200109-X46-124-002	CHINOOK	277	277	F	1.26			
HS200109-X46-124-003	CHINOOK	284	263	F	0.69			
HS200109-X46-124-004	CHINOOK	287	308	F	1.51			
HS200109-X46-124-005	CHINOOK	276	233	M	0.64			
HS200109-X46-124-006	CHINOOK	256	207	M	0.99			
HS200109-X46-124-007	CHINOOK	277	263	M	0.91			
HS200109-X46-124-008	CHINOOK	270	229	F	0.96			
HS200109-X46-124-009	CHINOOK	266	236	M	1.13			
HS200109-X47-124-001	CHINOOK	311	383	F	1.25			
HS200109-X47-124-002	CHINOOK	292	296	F	0.78			
HS200109-X47-124-003	CHINOOK	287	336	M	3.05			
HS200109-X47-124-004	CHINOOK	288	268	F	0.48			
HS200109-X47-124-005	CHINOOK	293	322	F	2.23			
HS200109-X47-124-006	CHINOOK	311	344	M	3.47			
HS200109-X47-124-007	CHINOOK	315	452	F	6.94			
HS200109-X47-124-008	CHINOOK	288	284	F	1.15			
HS200109-X47-124-009	CHINOOK	266	231	F	1.81			
HS200109-X47-124-010	CHINOOK	282	272	M	2.74			
HS200109-X47-124-011	CHINOOK	279	266	M	1.05			
HS200109-X47-124-012	CHINOOK	294	309	F	0.97			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X47-124-013	CHINOOK	277	244	M	3.17			
HS200109-X47-124-014	CHINOOK	274	264	M	0.78			
HS200109-X47-124-015	CHINOOK	299	317	F	1.11			
HS200109-X47-124-016	CHINOOK	334	503	F	8.59			
HS200109-X47-124-017	CHINOOK	290	294	M	1.44			
HS200109-X47-124-018	CHINOOK	344	519	F	2.94			
HS200109-X47-124-019	CHINOOK	277	263	M	0.57			
HS200109-X47-124-020	CHINOOK	282	282	M	0.6			
HS200109-X47-124-021	CHINOOK	273	256	M	1.88			
HS200109-X47-124-022	CHINOOK	281	257	M	1.07			
HS200109-X47-124-023	CHINOOK	284	267	M	0.69			
HS200109-X47-124-024	CHINOOK	367	597	F	12.39			AD
HS200109-X48-124-001	CHINOOK	332	448	F	2.31			
HS200109-X51-124-001	CHINOOK	293	305	F	4.01			
HS200109-X51-124-002	CHINOOK	319	431	M	5.3			
HS200109-X51-124-003	CHINOOK	299	318	M	2.77			
HS200109-X51-124-004	CHINOOK	302	352	M	3.95			
HS200109-X51-124-005	CHINOOK	310	388	M	5.7			
HS200109-X56-124-001	CHINOOK	287	278	F	6.33			
HS200109-X62-124-001	CHINOOK	343	491	M	0.79			
HS200109-X62-124-002	CHINOOK	321	402	F	2.25			
HS200109-X62-124-003	CHINOOK	363		M	0.38			
HS200109-X62-124-004	CHINOOK	359	610	M	1.41			AD
HS200109-X62-124-005	CHINOOK	303	338	M	2.31			
HS200109-X63-124-001	CHINOOK	324	461	M	2.34			
HS200109-X73-124-001	CHINOOK	278	252	M	1.16			
HS200109-X73-124-002	CHINOOK	294	290	F	1.42			
HS200109-X73-124-003	CHINOOK	304	336	M	1.13			
HS200109-X73-124-004	CHINOOK	278	249	F	1.09			
HS200109-X73-124-005	CHINOOK	277	257	F	1.37			
HS200109-X73-124-006	CHINOOK	300	334	F	0.93			
HS200109-X73-124-007	CHINOOK	274	249	F	0.98			
HS200109-X73-124-008	CHINOOK	269	242	M	0.9			
HS200109-X73-124-009	CHINOOK	288	308	F	1.21			
HS200109-X73-124-010	CHINOOK	274	268	M	1.3			
HS200109-X73-124-011	CHINOOK	264	238	M	1.48			
HS200109-X73-124-012	CHINOOK	280	280	F	1.13			
HS200109-X73-124-013	CHINOOK	304	338	M	1.05			
HS200109-X73-124-014	CHINOOK	317	368	M	0.78			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X73-124-015	CHINOOK	311	364	F	1.22			
HS200109-X73-124-016	CHINOOK	270	228	M	0.97			
HS200109-X73-124-017	CHINOOK	295	302	F	2.33			
HS200109-X73-124-018	CHINOOK	283	270	M	1.01			
HS200109-X73-124-019	CHINOOK	280	249	M	1.92			
HS200109-X73-124-020	CHINOOK	270	227	M	2.5			
HS200109-X73-124-021	CHINOOK	297	338	M	1.48			
HS200109-X73-124-022	CHINOOK	279	271	F	0.88			
HS200109-X73-124-023	CHINOOK	272	251	M	0.97			
HS200109-X73-124-024	CHINOOK	283	260	M	1.26			
HS200109-X73-124-025	CHINOOK	259	209	F	4.93			
HS200109-X73-124-026	CHINOOK	281	279	M	2.17			
HS200109-X73-124-027	CHINOOK	380	650	M	1.39			
HS200109-X73-124-028	CHINOOK	283	288	F	0.61			
HS200109-X73-124-029	CHINOOK	277	258	M	1.38			
HS200109-X73-124-030	CHINOOK	298	339	F	0.9			
HS200109-X73-124-031	CHINOOK	270	235	M	0.75			
HS200109-X73-124-032	CHINOOK	276	262	M	0.58			
HS200109-X73-124-033	CHINOOK	278	261	F	0.83			
HS200109-X73-124-034	CHINOOK	266	224	M	1.16			
HS200109-X73-124-035	CHINOOK	282	269	M	0.59			
HS200109-X73-124-036	CHINOOK	266	231	M	0.77			
HS200109-X73-124-037	CHINOOK	270	235	M	0.95			
HS200109-X73-124-038	CHINOOK	257	215	F	1.32			
HS200109-X74-124-001	CHINOOK	254	216	F	1.1			
HS200109-X75-124-001	CHINOOK	316	387	F	2.22			
HS200109-X75-124-002	CHINOOK	287	312	F	4.07			
HS200109-X75-124-003	CHINOOK	257	225	M	3.21			
HS200109-X75-124-004	CHINOOK	300	307	M	0.74			
HS200109-X75-124-005	CHINOOK	248	213	M	0.4			
HS200109-X75-124-006	CHINOOK	288	328	M	0.43			
HS200109-X75-124-007	CHINOOK	264	222	M	0.67			
HS200109-X75-124-008	CHINOOK	284	276	M	0.12			
HS200109-X75-124-009	CHINOOK	261	208	F	0.37			
HS200109-X75-124-010	CHINOOK	274	265	F	0.55			
HS200109-X75-124-011	CHINOOK	277	273	M	0.62			
HS200109-X75-124-012	CHINOOK	260	224	M	0.64			
HS200109-X75-124-013	CHINOOK	282	279	F	1.33			
HS200109-X75-124-014	CHINOOK	270	232	F	0.76			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X75-124-015	CHINOOK	292	301	F	0.85			
HS200109-X75-124-016	CHINOOK	315	381	M	0.69			
HS200109-X75-124-017	CHINOOK	274	271	M	0.39			
HS200109-X75-124-018	CHINOOK	268	221	F	0.22			
HS200109-X75-124-019	CHINOOK	277	242	F	1.01			
HS200109-X75-124-020	CHINOOK	314	389	M	9.92			
HS200109-X75-124-021	CHINOOK	280	289	F	4.07			
HS200109-X75-124-022	CHINOOK	299	350	F	0.28			
HS200109-X75-124-023	CHINOOK	248	186	F	0.37			
HS200109-X75-124-024	CHINOOK	264	235	F	1.26			
HS200109-X75-124-025	CHINOOK	263	218	F	0.27			
HS200109-X75-124-026	CHINOOK	270	239	F	2.28			
HS200109-X75-124-027	CHINOOK	263	234	F	2.33			
HS200109-X75-124-028	CHINOOK	245	170	F	1.86			
HS200109-X75-124-029	CHINOOK	263	216	F	0.56			
HS200109-X75-124-030	CHINOOK	280	285	F	3.76			
HS200109-X75-124-031	CHINOOK	232	154	M	0.49			
HS200109-X75-124-032	CHINOOK	288	283	M	0.56			
HS200109-X75-124-033	CHINOOK	265	216	M	0.62			
HS200109-X75-124-034	CHINOOK	267	236	F	1.23			
HS200109-X75-124-035	CHINOOK	269	244	F	0.45			
HS200109-X75-124-036	CHINOOK	270	247	F	1.65			
HS200109-X75-124-037	CHINOOK	252	196	F	2.36			
HS200109-X75-124-038	CHINOOK	295	315	M	1.42			
HS200109-X75-124-039	CHINOOK	250	196	F	0.24			
HS200109-X75-124-040	CHINOOK	264	219	M	0.2			
HS200109-X75-124-041	CHINOOK	272	249	F	0.63			
HS200109-X75-124-042	CHINOOK	269	233	F	0.6			
HS200109-X75-124-043	CHINOOK	276	255	F	0.31			
HS200109-X75-124-044	CHINOOK	245	190	M	0.44			
HS200109-X75-124-045	CHINOOK	268	232	M	0.35			
HS200109-X75-124-046	CHINOOK	268	248	F	0.56			
HS200109-X75-124-047	CHINOOK	280	257	M	0.21			
HS200109-X75-124-048	CHINOOK	251	191	M	0.85			
HS200109-X75-124-049	CHINOOK	283	278	F	0.69			
HS200109-X75-124-050	CHINOOK	278	255	F	0.37			
HS200109-X75-124-051	CHINOOK	276	269	M	0.16			
HS200109-X76-124-001	CHINOOK	315	419	M	7.78			
HS200109-X76-124-002	CHINOOK	336	508	F	7.76			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X76-124-003	CHINOOK	349	535	F	4.76			
HS200109-X76-124-004	CHINOOK	339	457	M	5.18			
HS200109-X76-124-005	CHINOOK	306	355	M	4.46			
HS200109-X76-124-006	CHINOOK	343	499	F	4.46			
HS200109-X76-124-007	CHINOOK	312	374	F	4.17			
HS200109-X76-124-008	CHINOOK	327	444	F	3.44			
HS200109-X76-124-009	CHINOOK	339	460	F	10.06			
HS200109-X76-124-010	CHINOOK	313	371	F	0.85			
HS200109-X78-124-001	CHINOOK	318	369	F	0.81			
HS200109-X78-124-002	CHINOOK	318	410	F	0.73			
HS200109-X78-124-003	CHINOOK	320	427	F	1.12			
HS200109-X78-124-004	CHINOOK	348	487	M	2.7			
HS200109-X78-124-005	CHINOOK	312	358	M	0.7			
HS200109-X78-124-006	CHINOOK	305	365	M	1.03			
HS200109-X78-124-007	CHINOOK	316	374	M	1.41			
HS200109-X78-124-008	CHINOOK	328	456	F	2.89			
HS200109-X78-124-009	CHINOOK	292	291	M	0.9			
HS200109-X78-124-010	CHINOOK	356	575	M	2.14			
HS200109-X16-112-002	CHUM	268	201	F	2.4			
HS200109-X17-112-001	CHUM	721	4836					
HS200109-X34-112-001	CHUM	242	138	M	2.15			
HS200109-X34-112-002	CHUM	224	118	F	2.13			
HS200109-X34-112-003	CHUM	228	126	F	1.11			
HS200109-X38-112-001	CHUM	253	157	F	4.61			
HS200109-X38-112-002	CHUM	224	114	F	2.48			
HS200109-X38-112-003	CHUM	242	150	F	5.26			
HS200109-X39-112-001	CHUM	236	136	F	1.01			
HS200109-X05-115-001	COHO	358	464	M	3.95	1.1	T210224	AD
HS200109-X05-115-002	COHO	319	357	M	14.06			
HS200109-X06-115-001	COHO	332	412	F	12.39			
HS200109-X06-115-002	COHO	292	253	M	8.99			AD
HS200109-X06-115-003	COHO	331	368	F	9.63			
HS200109-X06-115-004	COHO	358	515	M	8.17			
HS200109-X06-115-005	COHO	342	397	F	1.48			
HS200109-X06-115-006	COHO	331	408	M	9.76			
HS200109-X06-115-007	COHO	302	274	M	3.07			AD
HS200109-X06-115-008	COHO	357	474	F	20.2			AD
HS200109-X06-115-009	COHO	327	398	F	16.37			AD
HS200109-X06-115-010	COHO	302	342	M	16.46			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X06-115-011	COHO	305	307	M	8.03			
HS200109-X06-115-012	COHO	364	569	F	18.59			
HS200109-X06-115-013	COHO	347	469	M	8.12			AD
HS200109-X06-115-014	COHO	300	276	F	10.71			
HS200109-X06-115-015	COHO	333	416	F	6.84			AD
HS200109-X06-115-016	COHO	350	488	F	6.31			
HS200109-X06-115-017	COHO	359	469	F	8.97			AD
HS200109-X06-115-018	COHO	342	430	M	2.84			AD
HS200109-X06-115-019	COHO	281	254	M	8.91			AD
HS200109-X06-115-020	COHO	297	258	F	5.45			
HS200109-X06-115-021	COHO	294	293	M	8.5			AD
HS200109-X06-115-022	COHO	327	373	F	14.37			
HS200109-X06-115-023	COHO	364	534	F	14.27			
HS200109-X06-115-024	COHO	313	339	M	10.77			AD
HS200109-X06-115-025	COHO	284	245	M	6.45			
HS200109-X06-115-026	COHO	326	392	M	10.72			
HS200109-X06-115-027	COHO	360	495	M	12.01			
HS200109-X06-115-028	COHO	329		F	11.18			
HS200109-X06-115-029	COHO	337	384	F	12.91			
HS200109-X06-115-030	COHO	321	359	M	11.28			AD
HS200109-X06-115-031	COHO	323	389					
HS200109-X06-115-032	COHO	379	558					AD
HS200109-X06-115-033	COHO	290	275					
HS200109-X06-115-034	COHO	340	430					AD
HS200109-X06-115-035	COHO	311	341					AD
HS200109-X06-115-036	COHO	309	331					
HS200109-X06-115-037	COHO	320	349					
HS200109-X06-115-038	COHO	288	277					
HS200109-X06-115-039	COHO	303	290					AD
HS200109-X06-115-040	COHO	335	415					
HS200109-X06-115-041	COHO	297	302					AD
HS200109-X06-115-042	COHO	356	509					
HS200109-X06-115-043	COHO	294	309					
HS200109-X06-115-044	COHO	287	254					
HS200109-X06-115-045	COHO	324	345					
HS200109-X06-115-046	COHO	331	416					
HS200109-X06-115-047	COHO	345	436					
HS200109-X06-115-048	COHO	320	366					AD
HS200109-X06-115-049	COHO	300	325					AD

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X06-115-050	COHO	296	279					
HS200109-X06-115-051	COHO	277	240					
HS200109-X06-115-052	COHO	280	235					
HS200109-X06-115-053	COHO	306	323					
HS200109-X06-115-054	COHO	307	345					
HS200109-X06-115-055	COHO	298	316					
HS200109-X06-115-056	COHO	285	268					
HS200109-X06-115-057	COHO	306	305					
HS200109-X06-115-058	COHO	336	439					
HS200109-X06-115-059	COHO	304	316					AD
HS200109-X06-115-060	COHO	325	387					AD
HS200109-X06-115-061	COHO	298	307					
HS200109-X06-115-062	COHO	317	370					AD
HS200109-X06-115-063	COHO	289	312					
HS200109-X06-115-064	COHO	327	359					
HS200109-X07-115-001	COHO	356	533	M	35.61			AD
HS200109-X07-115-002	COHO	326	375	F	12.86			AD
HS200109-X07-115-003	COHO	330	385	F	11.27			AD
HS200109-X07-115-004	COHO	320	351	M	2.9			
HS200109-X08-115-001	COHO	393	712	F	37.44			AD
HS200109-X08-115-002	COHO	346	454	M	25.33			
HS200109-X08-115-003	COHO	362	440	M	4.55			AD
HS200109-X08-115-004	COHO	367	514	F	5.19			AD
HS200109-X08-115-005	COHO	388	606	F	7.58			
HS200109-X08-115-006	COHO	354	527	F	3.02			AD
HS200109-X08-115-007	COHO	344	455	F	8.69			
HS200109-X09-115-001	COHO	352	475	F	6.92			AD
HS200109-X14-115-001	COHO	373	565	F	2.03			
HS200109-X14-115-002	COHO	352	446	M	2.26			
HS200109-X15-115-001	COHO	394	700	M	22.38			AD
HS200109-X15-115-002	COHO	374	635	M	10.85			
HS200109-X15-115-003	COHO	380	653	F	27.02			
HS200109-X15-115-004	COHO	336	429	F	9.04			
HS200109-X15-115-005	COHO	280	243	M	21.28			
HS200109-X15-115-006	COHO	381	690	F	35.87			AD
HS200109-X15-115-007	COHO	312	344	F	1.48			
HS200109-X15-115-008	COHO	360	558	M	21.51			
HS200109-X15-115-009	COHO	359	542	M	11.65			
HS200109-X15-115-010	COHO	384	685	F	20.92			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X15-115-011	COHO	326	379	M	17.4			
HS200109-X15-115-012	COHO	354	514	F	11.1			
HS200109-X15-115-013	COHO	367	557	F	18.05			
HS200109-X15-115-014	COHO	352	493	M	3.54			AD
HS200109-X15-115-015	COHO	347	492	M	7.11			AD
HS200109-X15-115-016	COHO	334	412	M	9.38			
HS200109-X15-115-017	COHO	344	484	F	1.97			
HS200109-X15-115-018	COHO	303	308	M	12.61			
HS200109-X15-115-019	COHO	308	343	M	14.05			
HS200109-X15-115-020	COHO	372	601	M	21.65			
HS200109-X15-115-021	COHO	312	376	F	4.38			
HS200109-X16-115-001	COHO	340	494	F	2.45			
HS200109-X16-115-002	COHO	378	637	F	14.6			
HS200109-X16-115-003	COHO	393	693	M	2.72			
HS200109-X16-115-004	COHO	330	389	M	1.32			
HS200109-X16-115-005	COHO	340	486	F	14.16			
HS200109-X16-115-006	COHO	327	411	M	5.45			
HS200109-X16-115-007	COHO	361	559	M	8.73			
HS200109-X16-115-008	COHO	298	293	M	2.43			
HS200109-X16-115-009	COHO	359	571	M	3.41			
HS200109-X16-115-010	COHO	346	516	M	6.44			
HS200109-X16-115-011	COHO	341	484	M	2.29			
HS200109-X16-115-012	COHO	363	553	M	4.16			
HS200109-X16-115-013	COHO	321	411	M	4.67			
HS200109-X16-115-014	COHO	254	183	M	1.99			
HS200109-X16-115-015	COHO	325	364	M	0.76			
HS200109-X16-115-016	COHO	361	580	F	9.59			
HS200109-X16-115-017	COHO	355	510	F	14.42			
HS200109-X16-115-018	COHO	343	487	M	4.96			
HS200109-X16-115-019	COHO	358	582	M	25.89			
HS200109-X16-115-020	COHO	309	341	M	3.6			
HS200109-X16-115-021	COHO	339	453	F	4.78			
HS200109-X16-115-022	COHO	341	475	F	1.67			
HS200109-X16-115-023	COHO	367	610	M	2.56			
HS200109-X16-115-024	COHO	366	609	F	6.61			
HS200109-X16-115-025	COHO	365	525	M	2.76			
HS200109-X16-115-026	COHO	362	568	F	10.2			AD
HS200109-X16-115-027	COHO	348	503	M	0.87			
HS200109-X16-115-028	COHO	342	499	F	1.39			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200109-X16-115-029	COHO	344	489	F	7.5			
HS200109-X16-115-030	COHO	328	441	M	3.85			
HS200109-X16-115-031	COHO	346	480					
HS200109-X16-115-032	COHO	368	548					
HS200109-X16-115-033	COHO	367	497					
HS200109-X16-115-034	COHO	338	461					
HS200109-X20-115-001	COHO	329	387	F	7.06			
HS200109-X21-115-001	COHO	336	421	F	7.25			
HS200109-X21-115-002	COHO	377	606	F	10.07			
HS200109-X21-115-003	COHO	385	695	F	6.51			AD
HS200109-X21-115-004	COHO	343	444	F	1.42			AD
HS200109-X21-115-005	COHO	351	533	F	8.9			
HS200109-X21-115-006	COHO	308	331	M	2.52			
HS200109-X21-115-007	COHO	283	241	M	1.2			
HS200109-X21-115-008	COHO	304	291	M	3.63			
HS200109-X21-115-009	COHO	291	258	M	0.83			
HS200109-X21-115-010	COHO	359	490	F	6.94			
HS200109-X21-115-011	COHO	284	250	F	0.82			
HS200109-X21-115-012	COHO	332	352	M	0.41			
HS200109-X21-115-013	COHO	366	519	F	0.72	1.1	T184236	AD
HS200109-X21-115-014	COHO	270	208	M	1.44			
HS200109-X21-115-015	COHO	334	375	F	1.43			AD
HS200109-X21-115-016	COHO	273	220	M	3.36			
HS200109-X21-115-017	COHO	279	249	F	1.4			
HS200109-X21-115-018	COHO	289	278	M	4.65			
HS200109-X21-115-019	COHO	291	248	M	1.37			
HS200109-X21-115-020	COHO	295	273	M	6.26			
HS200109-X21-115-021	COHO	270	211	M	2.06			
HS200109-X21-115-022	COHO	300	287	F	4.97			
HS200109-X22-115-001	COHO	294	279	M	1.36			
HS200109-X01-108-001	PINK	265	265					
HS200109-X65-118-001	SOCKEYE	255	157	M	6.23			
HS200109-X71-118-001	SOCKEYE	285	253	F	4.13			
HS200109-X71-118-002	SOCKEYE	268	210	M	7.77			
HS200109-X71-118-003	SOCKEYE	271	208	M	6.24			
HS200109-X71-118-004	SOCKEYE	283	245	F	11.46			
HS200109-X71-118-005	SOCKEYE	284	249	F	8.71			
HS200109-X71-118-006	SOCKEYE	288	262	F	9.18			

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200109X01	JUAN DU FUCA	JF	09-Mar-01	20:42	48.291	123.602	169	7.9	31.8	26.8	44.9	2.21	0.37
HS200109X02	JUAN DU FUCA	JF	09-Mar-01	23:07	48.318	123.789	171	8	31.8	27	44.8	2.21	0.38
HS200109X03	JUAN DU FUCA	JF	10-Mar-01	02:11	48.409	124.140	92	8.5	31.8	25.4	44	2.1	0.59
HS200109X04	JUAN DU FUCA	JF	10-Mar-01	03:57	48.482	124.382	101	7.8	31.7	21.3	37	1.81	2.2
HS200109X05	BARKLEY SD	IVI	10-Mar-01	13:25	48.968	125.108	92	8.4	30	2.6	8	0.46	3.48
HS200109X06	BARKLEY SD	IVI	10-Mar-01	15:14	48.917	125.204	96	8.3	30.1	0	1.2	0.17	1.88
HS200109X07	LAPEROUSE BK	VI	10-Mar-01	17:08	48.788	125.271	92	8.3	31.6	8	16.7	0.97	4.02
HS200109X08	LAPEROUSE BK	VI	10-Mar-01	19:07	48.832	125.527	102	8.1	31.3	3.8	9.6	0.68	8.21
HS200109X09	LAPEROUSE BK	VI	10-Mar-01	21:05	48.869	125.737	50	8.1	31.5	5.4	12.2	0.8	7.3
HS200109X10	LAPEROUSE BK	VI	10-Mar-01	23:16	48.902	125.953	56	8.2	31.4	4.6	8.4	0.55	8.03
HS200109X11	LAPEROUSE BK	VI	11-Mar-01	01:22	48.963	126.158	84	8.1	31.5	3.4	11.1	0.64	8.26
HS200109X12	LAPEROUSE BK	VI	11-Mar-01	03:57	49.027	126.319	115	8.1	31.6	4.4	10.7	0.76	9.24
HS200109X13	NOOTKA SD	IVI	11-Mar-01	13:17	49.659	126.463	182	8.4	28.9	0.1	2	0.16	6.93
HS200109X14	NOOTKA SD	IVI	11-Mar-01	16:14	49.596	126.536	136	8.4	29.6	0	2.5	0.18	10.92
HS200109X15	NOOTKA SD	VI	11-Mar-01	17:40	49.574	126.608	81	8.3	30.9	1.3	8.5	0.49	9.32

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	SI umoles/	PO4 umoles/L	Chl A ug/L
HS200109X16	NOOTKA SD	VI	11-Mar-01	19:08	49.519	126.680	45	8	30.9	2.7	10	0.57	8.22
HS200109X17	ESTEVAN PT	VI	11-Mar-01	20:27	49.483	126.760	50	8	31.5	8.4	15.9	0.97	4.44
HS200109X18	ESTEVAN PT	VI	11-Mar-01	22:39	49.401	127.047	140	8.1	31.5	1.2	5.3	0.47	9
HS200109X19	ESTEVAN PT	VI	12-Mar-01	01:04	49.304	127.361	1275	8.4	32.1	0.3	3.7	0.4	8.6
HS200109X20	QUATSINO SD	IVI	12-Mar-01	13:09	50.527	127.664	125	8.2	30.7	14.1	25.9	1.27	1.43
HS200109X21	QUATSINO SD	IVI	12-Mar-01	15:26	50.487	127.848	133	8.3	31.1	12.4	22.3	1.25	1.11
HS200109X22	OFF QUATSINO SD	VI	12-Mar-01	17:21	50.426	127.984	132	8.2	31.5	12.5	21.7	1.19	0.71
HS200109X23	N VAN IS	VI	12-Mar-01	18:47	50.382	128.066	75	8.1	31.6	12.5	21.2	1.14	0.82
HS200109X24	VAN IS N	VI	12-Mar-01	20:21	50.428	128.170	92	7.9	31.8	10.6	18.4	1.06	0.56
HS200109X25	N VAN IS	VI	12-Mar-01	22:35	50.495	128.426	183	7.9	31.8	10.6	19.4	1.07	0.68
HS200109X26	N VAN IS	VI	13-Mar-01	00:44	50.562	128.666	350	8	31.9	10.4	18.7	1.07	0.71
HS200109X27	SEAFORTH CH	IBC	13-Mar-01	14:47	52.224	128.158	131	6.7	30.4	14.2	27.5	1.36	2.98
HS200109X28	MILBANKE SD	IBC	13-Mar-01	17:20	52.303	128.539	176	6.8	31.3	15.7	28.5	1.48	1.53
HS200109X29	FINLAYSON CH	IBC	13-Mar-01	19:42	52.497	128.442	484	6.9	30	19.2	35.1	1.65	0.95
HS200109X31	GRAHAM REACH	IBC	14-Mar-01	00:05	52.927	128.513	424	7.1	31.3	20.3	38.1	1.65	0.83

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200109X32	DIXON E	DE	14-Mar-01	15:21	54.324	130.949	77	6.5	31.8	16.3	28.9	1.45	0.6
HS200109X33	ROSE SPIT	DE	14-Mar-01	19:25	54.206	131.707	59	6.3	31.4	19.4	34.4	1.64	0.8
HS200109X34	McINTYRE BAY	DE	14-Mar-01	21:29	54.133	131.934	38	6.4	31.4	19.1	33.8	1.64	0.69
HS200109X35	McINTYRE BAY	DE	14-Mar-01	23:22	54.140	132.180	42	6.5	31.9	19.3	33.5	1.59	0.36
HS200109X36	WIAH PT	DE	15-Mar-01	00:56	54.126	132.419	56	6.6	31.8	17.4	30.2	1.54	0.3
HS200109X37	SHAG RK	DE	15-Mar-01	02:24	54.169	132.648	64	6.4	31.9	18.5	32.1	1.61	0.51
HS200109X38	LANGARA IS	DE	15-Mar-01	03:52	54.213	132.893	135	6.6	32	17.5	30.4	1.56	0.55
HS200109X39	FORRESTER IS	SEA	15-Mar-01	13:03	54.785	133.055	128	6.3	31.7	21.2	37.4	1.77	0.29
HS200109X40	FORRESTER IS	SEA	15-Mar-01	15:07	54.779	133.159	190	6.3	31.8	20.9	37.2	1.76	0.48
HS200109X41	FORRESTER IS	SEA	15-Mar-01	16:35	54.766	133.294	126	6.3	31.8	21.2	37.1	1.67	0.44
HS200109X42	FORRESTER IS	SEA	15-Mar-01	18:04	54.755	133.418	148	6.3	31.6	20.1	35.1	1.71	0.75
HS200109X43	DOLGOI IS	SEA	15-Mar-01	21:39	54.809	133.019	140	6.4	31.5	20.3	36.7	1.72	0.31
HS200109X44	RKWELL PT	SEA	15-Mar-01	23:28	54.904	133.103	86	6.3	31.6	20.2	36.1	1.71	0.65
HS200109X45	FISHERMAN'S COVE	SEA	16-Mar-01	01:18	55.011	133.261	98	6.4	31.6	19	33.3	1.64	0.71
HS200109X46	SUMNER ST	ISEA	16-Mar-01	13:04	56.220	133.846	221	6.3	31.7	21.1	36.3	1.78	0.22

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	SI umoles/	PO4 umoles/L	Chl A ug/L
HS200109X47	SUMNER ST	ISEA	16-Mar-01	15:19	56.122	133.863	262	6.3	31.8	21.2	36.5	1.61	0.23
HS200109X48	AFFLECK CANAL	ISEA	16-Mar-01	17:30	56.071	134.067	149	6.3	31.6	20	35.1	1.71	0.65
HS200109X49	C DECISION	SEA	16-Mar-01	19:20	55.984	134.165	118	6.3	31.8	17.3	30.6	1.69	0.5
HS200109X50	PT CROWLEY	SEA	16-Mar-01	21:14	56.032	134.258	107	6.3	31.8	20.1	34.9	1.69	0.46
HS200109X51	TABLE BAY	ISEA	16-Mar-01	22:56	56.159	134.309	126	6.4	31.8	19.2	34	1.68	0.4
HS200109X52	PT COSMOS	ISEA	17-Mar-01	00:39	56.308	134.351	407	6.3	31.8	19.2	33.1	1.66	0.3
HS200109X53	PT AUGUSTA	ISEA	17-Mar-01	13:22	58.049	134.866	530	4.9	31.1	27.8	52.7	2.19	0.37
HS200109X54	ICY ST	ISEA	17-Mar-01	15:29	58.099	135.117	113	4.9	31.2				
HS200109X55	ICY ST	ISEA	17-Mar-01	18:29	58.303	135.517	159	5	31.1	27.3	48.3	2.16	0.49
HS200109X56	ICY ST	ISEA	17-Mar-01	20:22	58.287	135.836	106	5.2	31.4	28	52.5	2.25	0.16
HS200109X57	ICY ST	ISEA	17-Mar-01	23:07	58.288	136.419	250	5.4	31.4	26.2	48	2.15	0.32
HS200109X60	ICY ST	ISEA	18-Mar-01	03:46	58.172	136.545	140	5.7	31.7	23.2	40.7	1.91	0.49
HS200109X61	ICY PT	SCA	18-Mar-01	12:59	58.366	137.133	150	5.7	31.8	21.7	37.7	1.76	0.26
HS200109X62	ICY PT	SCA	18-Mar-01	15:58	58.374	137.636	192	5.5	31.6	21.5	37.7	1.81	0.74
HS200109X64	ICY PT	SCA	18-Mar-01	18:46	58.361	138.017	136	5.6	31.7	20.7	35.8	1.73	0.55

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200109X65	ICY PT	SCA	18-Mar-01	21:02	58.347	138.416	130	5.8	31.7	20	36.3	1.74	0.61
HS200109X66	ICY PT	SCA	18-Mar-01	23:46	58.335	138.784	125	6.1	32.1	16.9	28.7	1.51	0.46
HS200109X68	C EDGECUMBE	SEA	19-Mar-01	19:52	56.802	136.666	2207	6.3	32.5	12.3	18.3	1.22	0.34
HS200109X69	C EDGECUMBE	SEA	19-Mar-01	21:29	56.831	136.435	2010	6.4	32.5	11.9	17.1	1.19	0.44
HS200109X70	C EDGECUMBE	SEA	19-Mar-01	23:01	56.874	136.142	1200	6.8	32.3	14	22.6	1.31	0.31
HS200109X71	C EDGECUMBE	SEA	20-Mar-01	01:06	56.914	135.849	142	6	31.5	18.7	33.6	1.62	0.84
HS200109X72	C EDGECUMBE	SEA	20-Mar-01	02:30	56.878	135.692	148	6.1	31.6	18.9	33.4	1.63	0.71
HS200109X73	SUMNER ST	ISEA	20-Mar-01	14:11	56.147	133.779	368	6.2	31.7	21.7	37.8	1.79	0.17
HS200109X74	SUMNER ST	ISEA	20-Mar-01	16:18	56.288	133.770	535	6.2	31.6	21.6	38.8	1.8	0.23
HS200109X75	SUMNER ST	ISEA	20-Mar-01	18:37	56.377	133.603	308	5.6	31	20.7	39.3	1.81	1.34
HS200109X76	CLARENCE ST	ISEA	21-Mar-01	04:02	56.118	132.769	223	5.6	30.6	20.8	39.3	1.74	0.48
HS200109X77	CLARENCE ST	ISEA	21-Mar-01	13:01	54.850	131.796	407	6.1	31.6	18.4	33.1	1.6	0.61
HS200109X78	CELESTIAL RF	DE	21-Mar-01	16:55	54.585	131.641	325	6.2	31.8	18.4	32.6	1.62	0.5
HS200109X79	TRIPLE IS	DE	21-Mar-01	21:05	54.407	131.060	100	6.7	31.8	14.9	26.7	1.42	0.67
HS200109X80	BUTTERWORTH RK	HS	21-Mar-01	23:47	54.183	131.012	75	6.7	31.9	14.4	24.7	1.38	1.24

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200109X81	SEUL RKS	HS	22-Mar-01	02:59	53.966	130.977	59	6.6	31.8	15.4	26.7	1.45	0.51
HS200109X88	HECATE ST	HS	22-Mar-01	03:01	52.252	129.355	126	7.1	31.8	14.2	26.4	1.35	0.69
HS200109X82	HECATE ST	HS	22-Mar-01	12:58	52.594	131.003	113	7.1	32.1	12.9	21.8	1.29	0.69
HS200109X89	TRIANGLE IS	VI	22-Mar-01	14:29	50.539	129.821	3051	7.8	32.3	8.1	14.5	0.92	0.56
HS200109X83	HECATE ST	HS	22-Mar-01	15:38	52.538	130.745	119	7	31.9	14.7	25.3	1.32	0.61
HS200109X90	TRIANGLE IS	VI	22-Mar-01	16:19	50.622	129.653	2051	7.9	32.4	7.7	13.6	0.91	0.59
HS200109X84	HECATE ST	HS	22-Mar-01	17:41	52.485	130.485	174	7.1	32.1	12.8	22.1	1.24	0.73
HS200109X91	TRIANGLE IS	VI	22-Mar-01	18:02	50.702	129.484	1282	8	32.4	7.6	14	0.92	0.65
HS200109X85	HECATE ST	HS	22-Mar-01	19:44	52.428	130.222	328	7.3	32.1	11.7	20.4	1.2	0.59
HS200109X92	TRIANGLE IS	VI	22-Mar-01	20:09	50.819	129.216	98	7.8	32.4	7.6	13.5	0.95	1.05
HS200109X86	HECATE ST	HS	22-Mar-01	21:50	52.374	129.965	218	7.5	32.1	11.7	21.5	1.17	0.71
HS200109X93	TRIANGLE IS	QCSD	22-Mar-01	22:09	50.935	129.002	62	7.7	32.2	10.7	20.2	1.12	0.69
HS200109X94	TRIANGLE IS	QCSD	22-Mar-01	23:43	50.999	128.869	62	7.7	32	12.4	22.4	1.27	0.72
HS200109X87	HECATE ST	HS	22-Mar-01	23:55	52.316	129.698	308	7.4	32.2	12.1	20.5	1.22	0.57
HS200109X95	TRIANGLE IS	QCSD	24-Mar-01	02:18	51.122	128.652	112	7.5	31.8	18.8	35.6	1.67	0.58

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200109X96	JOHNSTONE ST	JS	24-Mar-01	14:08	50.549	126.782	435	7.5	31.1	23.7	45.2	2.09	0.19

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200109X01	JUAN DU FUCA	JF	48.287	123.590	09-Mar-01	12:57	150	00:11	55	186	1.78	0.81	0.91	3.5	6.99
HS200109X02	JUAN DU FUCA	JF	48.317	123.766	09-Mar-01	15:19	150	00:08	39	170					
HS200109X03	JUAN DU FUCA	JF	48.412	124.147	09-Mar-01	18:20	80	00:05	14	63	1.28	4.63	1.92	11.67	19.5
HS200109X04	JUAN DU FUCA	JF	48.468	124.393	09-Mar-01	20:10	80	00:08	25	40	0	1.76	0	0.25	2.01
HS200109X06	BARKLEY SD	WI	48.914	125.206	10-Mar-01	07:28	80	00:04	0	80	2	3.88	2.25	5.88	14.02
HS200109X07	LAPEROUSE BK	VI	48.788	125.275	10-Mar-01	09:17	80	00:05	0	82	3.55	12.12	11.75	8.81	36.23
HS200109X08	LAPEROUSE BK	VI	48.831	125.524	10-Mar-01	11:16	85	00:08	50	149	3.36	36.01	10.82	5.11	55.29
HS200109X09	LAPEROUSE BK	VI	48.867	125.741	10-Mar-01	13:12	35	00:03	40	55	9.79	12.33	4.71	4.35	31.19
HS200109X10	LAPEROUSE BK	VI	48.900	125.958	10-Mar-01	15:22	40	00:03	40	47	15.29	11.89	4.25	2.12	33.55
HS200109X11	LAPEROUSE BK	VI	48.962	126.164	10-Mar-01	17:32	80	00:04	90	69	1.89	14.56	16.3	7.28	40.03
HS200109X14	NOOTKA SD	WI	49.597	126.533	11-Mar-01	08:26	120	00:09	40	138	2.32	20.57	8.96	3.04	34.9

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200108X15	NOOTKA SD	VI	49.574	126.809	11-Mar-01	09:49	65	00:05	38	78	0.13	9.77	5.01	2.44	17.35
HS200108X16	NOOTKA SD	VI	49.518	126.681	11-Mar-01	11:15	30	00:04	55	72	1.11	13.82	8.57	11.61	35.11
HS200108X17	ESTEVAN PT	VI	49.483	126.766	11-Mar-01	12:34	35	00:03	37	45	5.8	22.53	21.41	4.24	53.98
HS200108X18	ESTEVAN PT	VI	49.402	127.050	11-Mar-01	14:48	120	00:10	36	132	21.1	14.59	2.19	1.81	39.7
HS200108X20	QUATSINO SD	IVI	50.527	127.664	12-Mar-01	05:21	110	00:06	0	97	10.47	36.43	4.21	0.31	51.41
HS200108X21	QUATSINO SD	IVI	50.484	127.847	12-Mar-01	07:38	140	00:09	51	174	0.75	10.49	3.04	0.69	14.96
HS200108X22	OFF QUATSINO SD	VI	50.425	127.988	12-Mar-01	09:33	120	00:06	31	112	0.09	0.27	0.36	5.18	5.9
HS200108X24	VAN IS N	VI	50.426	128.177	12-Mar-01	12:30	80	00:04	17	80	0.13	2.13	5.51	5.64	13.4
HS200108X27	SEAFORTH CH	IBC	52.225	128.163	13-Mar-01	06:57	130	00:09	51	160	5.95	6.12	3.62	2.84	18.52
HS200108X28	MILBANKE SD	IBC	52.301	128.543	13-Mar-01	09:33	150	00:08	36	155	1.36	10.34	3.04	1.62	16.35
HS200108X29	FINLAYSON CH	IBC	52.432	128.440	13-Mar-01	12:02	150	00:09	37	136	0.88	1.25	2.64	0.66	5.43

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200109X31	GRAHAM REACH	IBC	52.929	128.516	13-Mar-01	16:31	150	00:09	38	152	0	0.53	0.13	0.53	1.18
HS200109X32	DIXON E	DE	54.325	130.954	14-Mar-01	07:31	60	00:03	16	61	0.99	0.49	0.82	1.31	3.61
HS200109X33	ROSE SPIT	DE	54.206	131.709	14-Mar-01	11:35	40	00:04	34	52	0	0	2.13	0.78	2.91
HS200109X34	McINTYRE BAY	DE	54.131	131.931	14-Mar-01	13:36	20	00:02	53	41	0	0	0.73	1.22	1.96
HS200109X39	FORRESTER IS	SEA	54 782	133.052	15-Mar-01	05:19	105	00:06	35	110	0.73	5.44	0.36	0.27	6.8
HS200109X40	FORRESTER IS	SEA	54.781	133.164	15-Mar-01	07:19	150	00:09	42	134	0.07	4.55	0.37	0.45	5.45
HS200109X41	FORRESTER IS	SEA	54.767	133.298	15-Mar-01	08:46	110	00:08	51	131	0	1.23	1	14.32	16.54
HS200109X42	FORRESTER IS	SEA	54.753	133.424	15-Mar-01	10:17	130	00:09	50	199	0.05	0.85	0.15	0.5	1.56
HS200109X43	DOLGOI IS	SEA	54.801	133.012	15-Mar-01	13:49	110	00:06	28	102	0.1	0	0.29	2.74	3.13
HS200109X44	RKWELL PT	SEA	54.905	133.107	15-Mar-01	15:40	70	00:04	36	81	0	0	25.66	0.62	26.28
HS200109X45	FISHERMAN'S COVE	SEA	55.015	133.264	15-Mar-01	17:28	60	00:06	55	94	0.11	0.43	0.21	0.43	1.18

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200109X46	SUMNER ST	ISEA	56.218	133.841	16-Mar-01	05:19	150	00:07	38	124	1.46	3.48	2.27	0.97	8.17
HS200109X47	SUMNER ST	ISEA	56.119	133.863	16-Mar-01	07:33	150	00:10	48	168	2.26	2.2	0.53	0.18	5.17
HS200109X49	C DECISION	SEA	55.983	134.171	16-Mar-01	11:30	100	00:05	47	128	0	0	0.08	0.62	0.7
HS200109X50	PT CROWLEY	SEA	56.033	134.252	16-Mar-01	13:23	50	00:03	19	57	0	0	0	0.7	0.7
HS200109X51	TABLE BAY	ISEA	56.162	134.311	16-Mar-01	15:04	80	00:07	36	90	0	0.44	0.78	1.33	2.55
HS200109X53	PT AUGUSTA	ISEA	58.052	134.872	17-Mar-01	05:49	150	00:08	40	132	2.36	22.73	9.58	7.83	42.5
HS200109X54	ICY ST	ISEA	58.099	135.111	17-Mar-01	07:38	130	00:09	47	152	0	3.81	7.81	1.64	13.26
HS200109X55	ICY ST	ISEA	58.303	135.522	17-Mar-01	10:42	140	00:10	53	214	0.05	3.31	3.41	1.49	8.26
HS200109X56	ICY ST	ISEA	58.284	135.846	17-Mar-01	13:32	90	00:05	22	82	0	11.84	3.3	3.91	19.04
HS200109X57	ICY ST	ISEA	58.287	136.429	17-Mar-01	15:22	150	00:12	57	234	0	1.16	0.39	0.39	1.93
HS200109X60	ICY ST	ISEA	58.176	136.534	17-Mar-01	20:02	90	00:06	47	102	0.2	2.07	0.89	0.69	3.84

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200109X61	ICY PT	SCA	58.369	137.140	18-Mar-01	05:11	130	00:07	48	137	2.34	12.66	3.15	3.59	21.73
HS200109X62	ICY PT	SCA	58.375	137.631	18-Mar-01	08:12	150	00:10	52	191	0	1.15	0.37	0.84	2.35
HS200109X64	ICY PT	SCA	58.362	138.023	18-Mar-01	10:57	110	00:07	45	122	0	0.25	0.25	0.49	0.99
HS200109X65	ICY PT	SCA	58.352	138.418	18-Mar-01	13:12	110	00:07	44	112	0	0.09	0.18	0.27	0.54
HS200109X73	SUMNER ST	ISEA	56.148	133.782	20-Mar-01	06:30	150	00:08	30	130	2.53	0.69	1	0.23	4.45
HS200109X74	SUMNER ST	ISEA	56.290	133.773	20-Mar-01	08:37	150	00:09	42	161	0	0.74	0.68	0.87	2.29
HS200109X75	SUMNER ST	ISEA	56.378	133.612	20-Mar-01	10:52	150	00:07	15	120	0.17	1.08	0.83	0.17	2.24
HS200109X77	CLARENCE ST	ISEA	54.852	131.798	21-Mar-01	05:18	150	00:16	52						
HS200109X78	CELESTIAL RF	DE	54.586	131.634	21-Mar-01	09:20	150	00:10	45	139	0.14	4.1	3.09	1.8	9.12
HS200109X79	TRIPLE IS	DE	54.404	131.067	21-Mar-01	13:15	80	00:05	43	100	0	1.19	4.98	15.63	21.81
HS200109X80	BUTTERWORTH RK	HS	54.183	131.010	21-Mar-01	15:54	50	00:03	32	49	0	0.81	3.46	12.4	16.67

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200109X81	SEUL RKS	HS	53.965	130.980	21-Mar-01	19:10	40	00:03	32	40	0	0	2.48	3.47	5.96
HS200109X82	HECATE ST	HS	52.592	131.004	22-Mar-01	05:10	100	00:05	43	101	0	0.4	0.2	2.98	3.57
HS200109X83	HECATE ST	HS	52.538	130.743	22-Mar-01	07:48	100	00:09	57	167	0	0.18	0.12	0.42	0.72
HS200109X84	HECATE ST	HS	52.485	130.482	22-Mar-01	09:55	150	00:10	50	201	0	0.35	0.05	0.35	0.75
HS200109X85	HECATE ST	HS	52.427	130.212	22-Mar-01	12:02	150	00:07	39	148	0	0.61	0.14	1.49	2.23
HS200109X86	HECATE ST	HS	52.373	129.965	22-Mar-01	14:01	150	00:09	46	137	0	1.02	0.51	0.44	1.97
HS200109X89	TRIANGLE IS	VI	50.547	129.817	23-Mar-01	07:18	150	00:08	37	156	265.74	3.4	0.38	0.38	269.91
HS200109X90	TRIANGLE IS	VI	50.625	129.645	23-Mar-01	09:01	150	00:10	45	163	98.69	3.25	3.68	0.92	106.54
HS200109X91	TRIANGLE IS	VI	50.706	129.473	23-Mar-01	10:44	150	00:11	51	190	1.63	3.99	0.47	0.37	6.46
HS200109X92	TRIANGLE IS	VI	50.820	129.217	23-Mar-01	12:17	80	00:03	30	78	13.4	1.15	0.13	0.89	15.56
HS200109X93	TRIANGLE IS	QCSD	50.936	129.003	23-Mar-01	14:23	40	00:03	37	38	1.58	3.15	0.79	2.63	8.15

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Seived (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200109X94	TRIANGLE IS	QCSD	50.999	128.870	23-Mar-01	15:49	40	00:02	42	42	0	0.24	0.71	1.89	2.84
HS200109X95	TRIANGLE IS	QCSD	51.123	128.652	23-Mar-01	18:25	90	00:05	44	95	0	0.1	0.1	0.73	0.94
HS200109X96	JOHNSTONE ST	JS	50.552	126.785	24-Mar-01	06:28	150	00:07	31	117	0.09	1.63	0.6	0.43	2.74

Table 5. Coded Wire Tag (CWT) data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 09/03/2001 - 24/03/2001.

CWT	Fish Number	Species	Recovery Date	Recovery Region	Recovery Fork Length (mm)	Release Area	Release Agency	Hatchery	Brood Year	Date of First Release	Date of Last Release	Age
T054522	HS200109-X16-124-005	CHINOOK	11-Mar-01	VI	252	CECR	FWS	WARM SPRINGS NFH	1999	28-Sep-00	18-Apr-01	0.1
T092925	HS200109-X20-124-020	CHINOOK	12-Mar-01	IVI	362	CECR	ODFW	BONNEVILLE H	1998		09-Mar-00	1.1
T093135	HS200109-X07-124-025	CHINOOK	10-Mar-01	VI	235	LOCR	ODFW	MCKENZIE H	1999		07-Nov-00	0.1
T182135	HS200109-X07-124-027	CHINOOK	10-Mar-01	VI	245	FRTH	CDFO	H-CHEHALIS R	1999	05-Jun-00	06-Jun-00	0.1
T182215	HS200109-X13-124-002	CHINOOK	11-Mar-01	IVI	238	WCVI	CDFO	CONUMA R	1999	29-May-00	29-May-00	0.1
T182215	HS200109-X16-124-004	CHINOOK	11-Mar-01	VI	253	WCVI	CDFO	CONUMA R	1999	29-May-00	29-May-00	0.1
T182215	HS200109-X13-124-001	CHINOOK	11-Mar-01	IVI	206	WCVI	CDFO	CONUMA R	1999	29-May-00	29-May-00	0.1
T184516	HS200109-X21-124-001	CHINOOK	12-Mar-01	IVI	220	WCVI	CDFO	H-CONUMA R	1999	08-May-00	30-May-00	0.1
T184517	HS200109-X07-124-021	CHINOOK	10-Mar-01	VI	244	WCVI	CDFO	H-NITINAT R	1999	06-Jun-00	07-Jun-00	0.1
T184541	HS200109-X05-124-001	CHINOOK	10-Mar-01	IVI	207	WCVI	CDFO	H-ROBERTSON CR	1999	08-May-00	03-Jun-00	0.1
T630171	HS200109-X07-124-026	CHINOOK	10-Mar-01	VI	240	MPS	WDFW	SOOS CREEK H	1999	09-May-00	31-May-00	0.1
T630173	HS200109-X09-124-011	CHINOOK	10-Mar-01	VI	243	NOOK	WDFW	SAMISH H	1999	25-May-00	25-May-00	0.1
T630610	HS200109-X15-124-031	CHINOOK	11-Mar-01	VI	622	UPCR	WDFW	EASTBANK H	1997	12-Apr-99	26-Apr-99	1.2
T631025	HS200109-X15-124-029	CHINOOK	11-Mar-01	VI	403	SNAK	NEZP	LYONS FERRY H	1997	03-Jun-99	03-Jun-99	1.2
T631061	HS200109-X16-124-002	CHINOOK	11-Mar-01	VI	402	UPCR	WDFW	WELLS H	1998	18-Apr-00	12-May-00	1.1
T631061	HS200109-X16-124-003	CHINOOK	11-Mar-01	VI	345	UPCR	WDFW	WELLS H	1998	18-Apr-00	12-May-00	1.1
T631061	HS200109-X15-124-030	CHINOOK	11-Mar-01	VI	360	UPCR	WDFW	WELLS H	1998	18-Apr-00	12-May-00	1.1
T631148	HS200109-X16-124-001	CHINOOK	11-Mar-01	VI	340	UPCR	WDFW	SIMILKAMEEN H	1998	13-Apr-00	26-Apr-00	1.1
T184235	HS200109-X21-115-013	COHO	12-Mar-01	IVI	366	JNST	CDFO	H-QUINSAM R	1998	23-May-00	23-May-00	1.1
T210224	HS200109-X05-115-001	COHO	10-Mar-01	IVI	358	MPS	MUCK	KETA CREEK H	1998	02-May-00	02-May-00	1.1

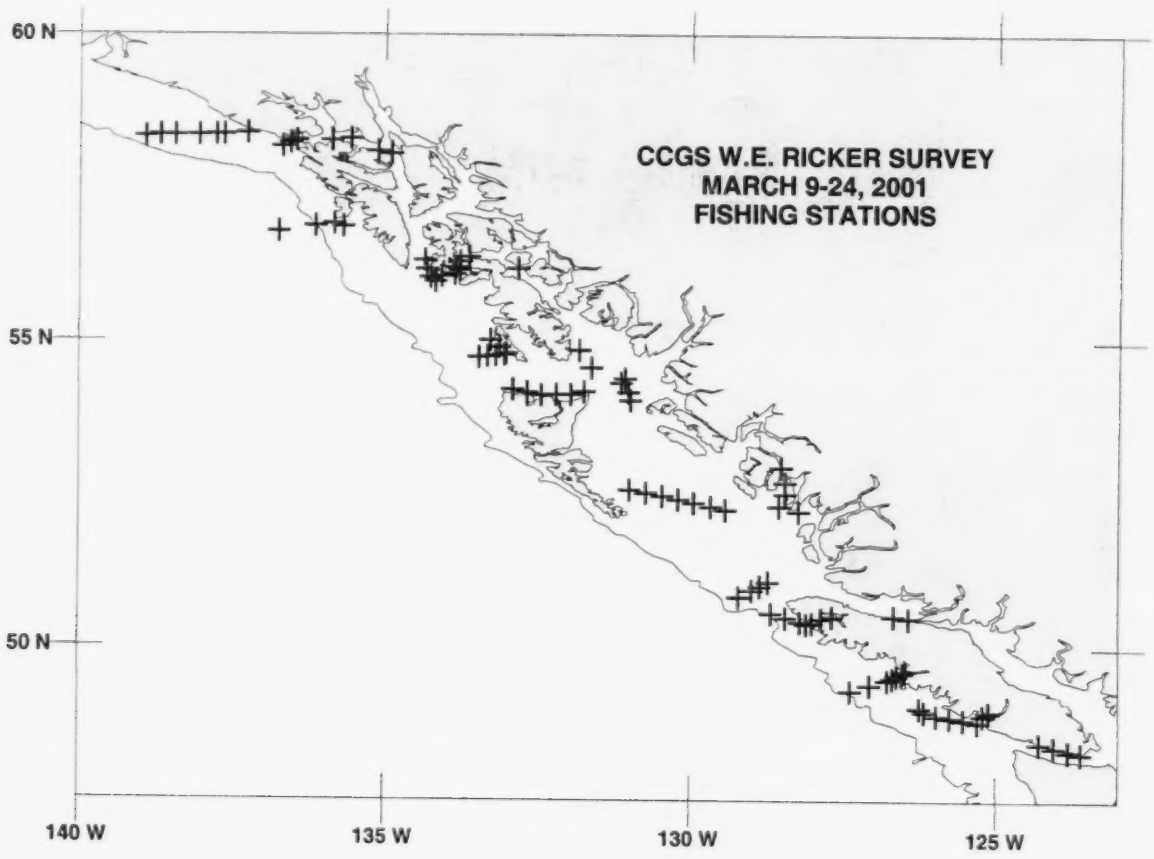

Figure 1. Fishing stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001.

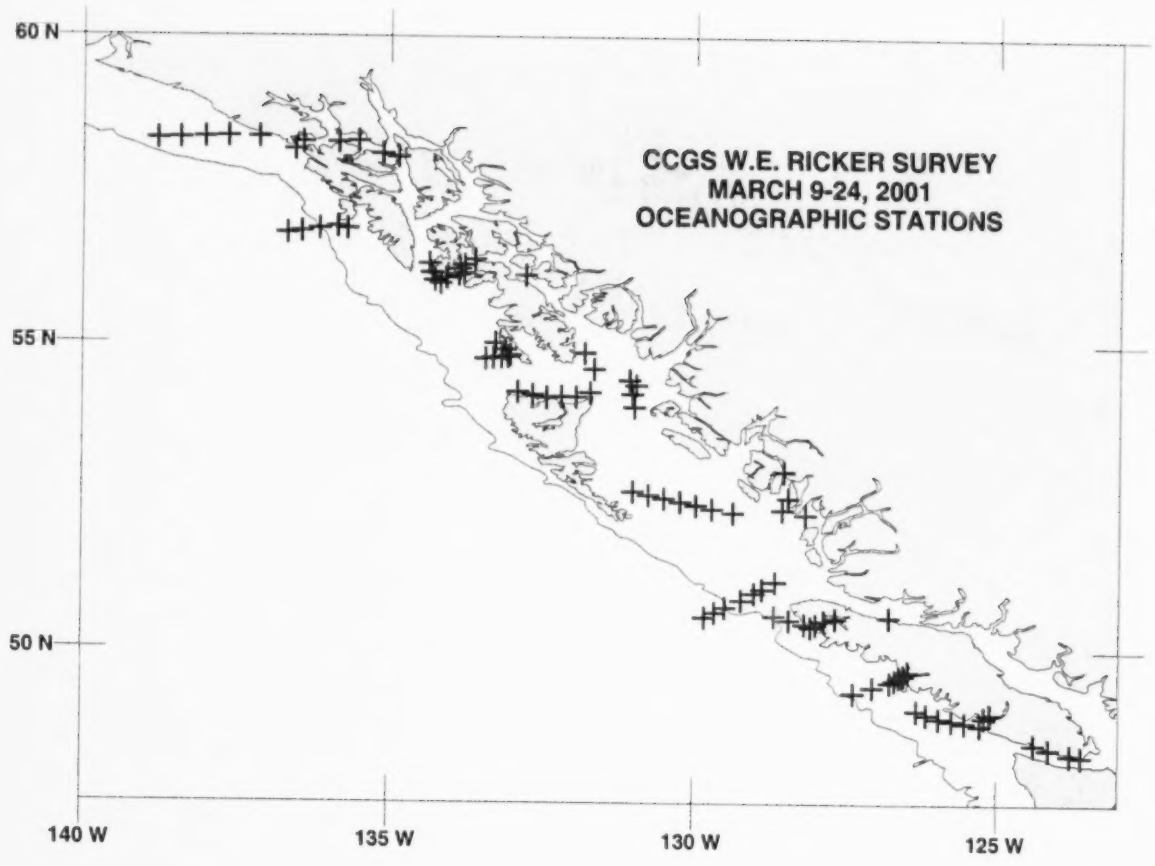

Figure 2. Oceanographic stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001.

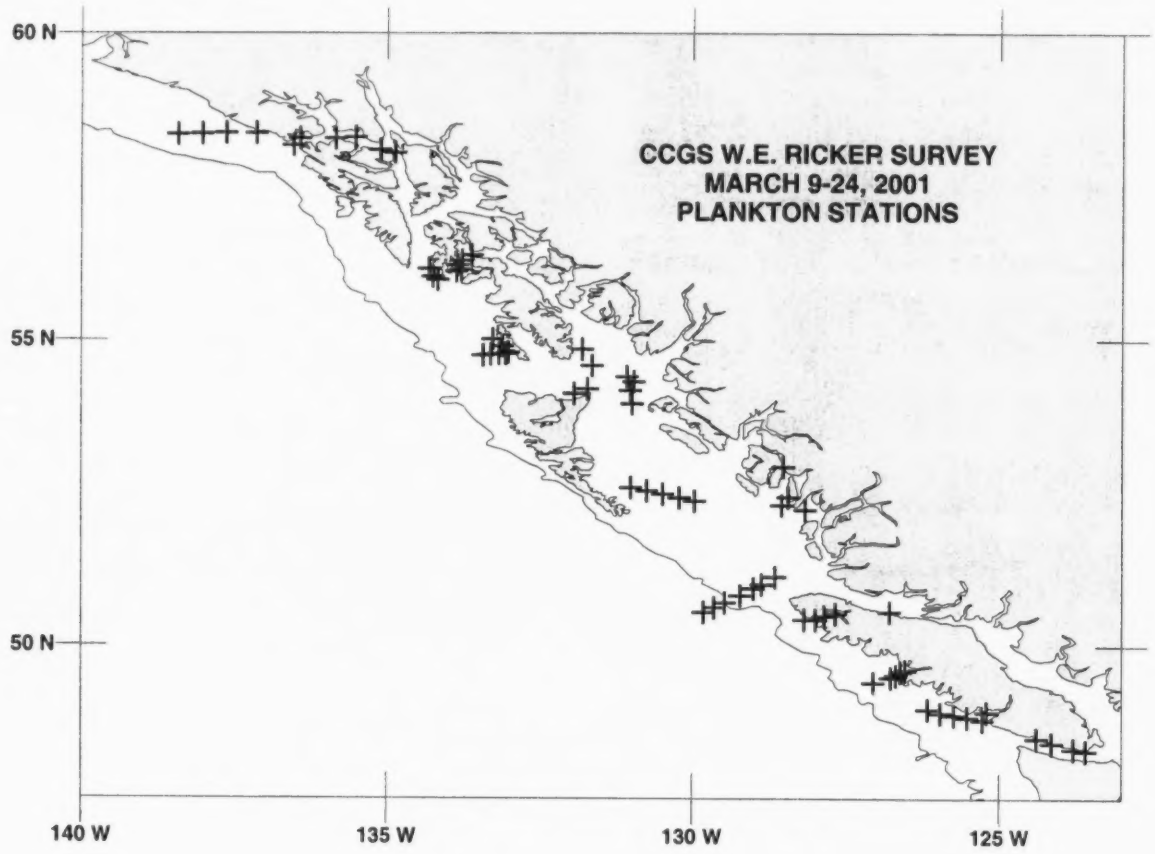

Figure 3. Plankton stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001.

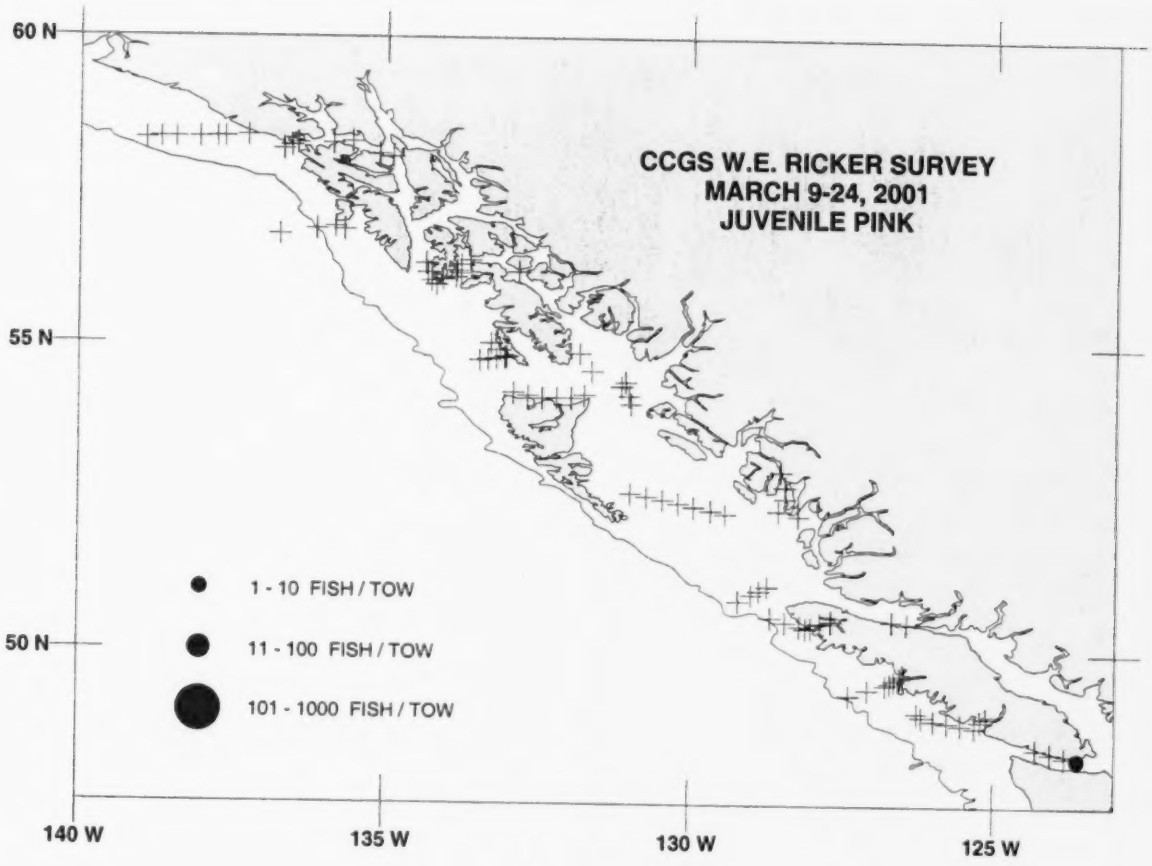

Figure 4. Distribution of juvenile (age 0.1) pink salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

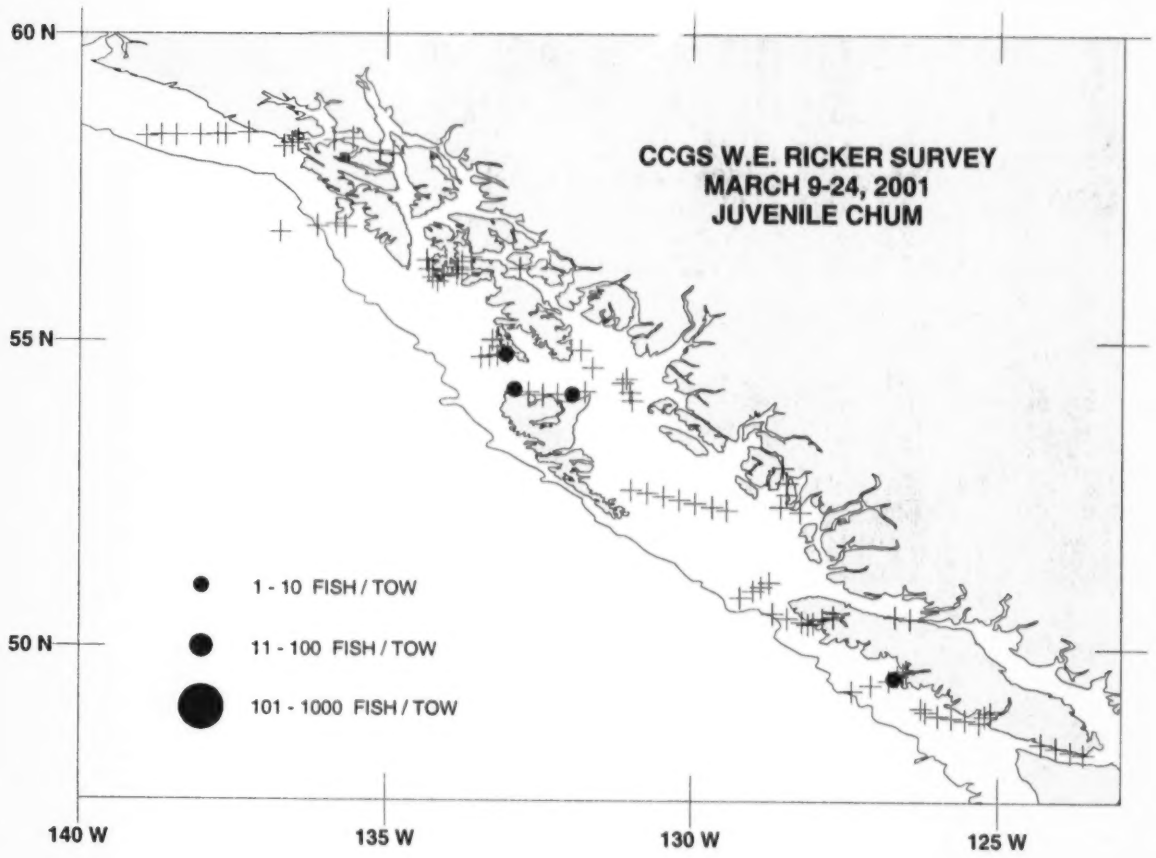

Figure 5. Distribution of juvenile (age 0.1) chum salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

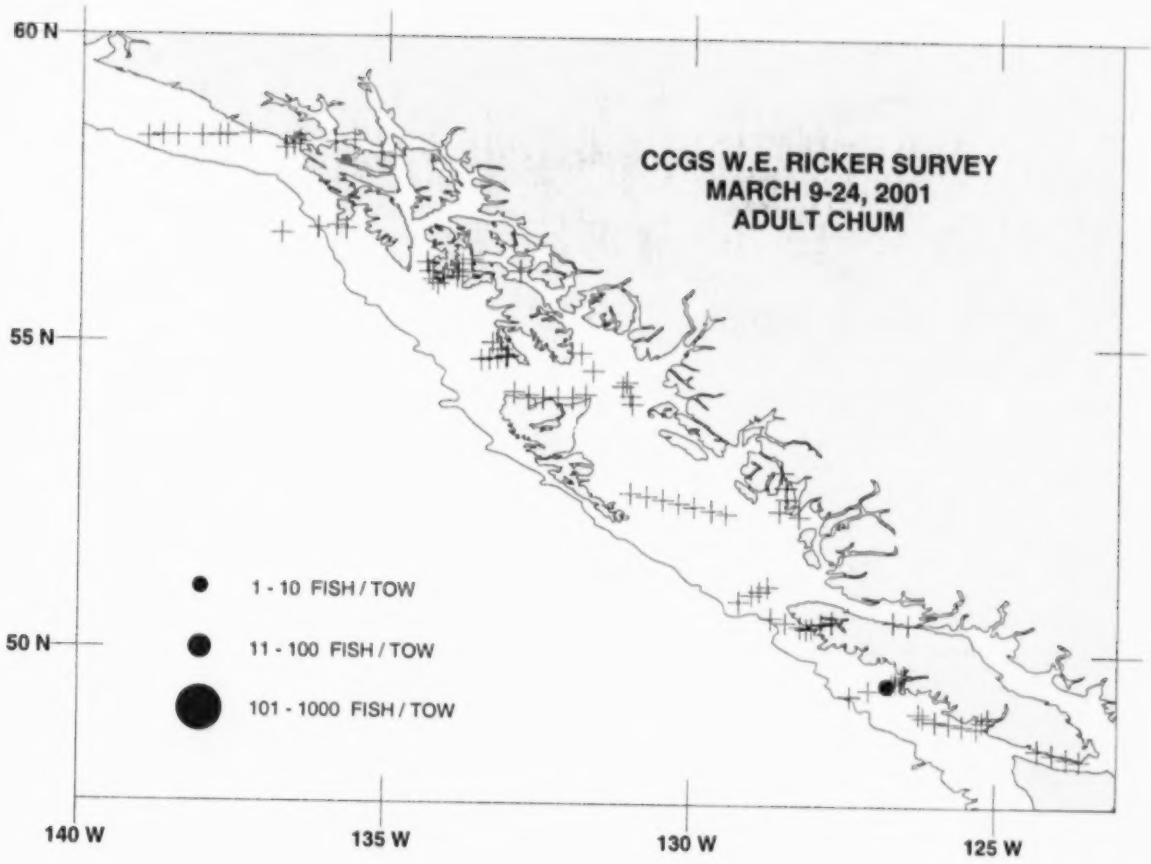

Figure 6. Distribution of adult (age 0.2 and over) chum salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

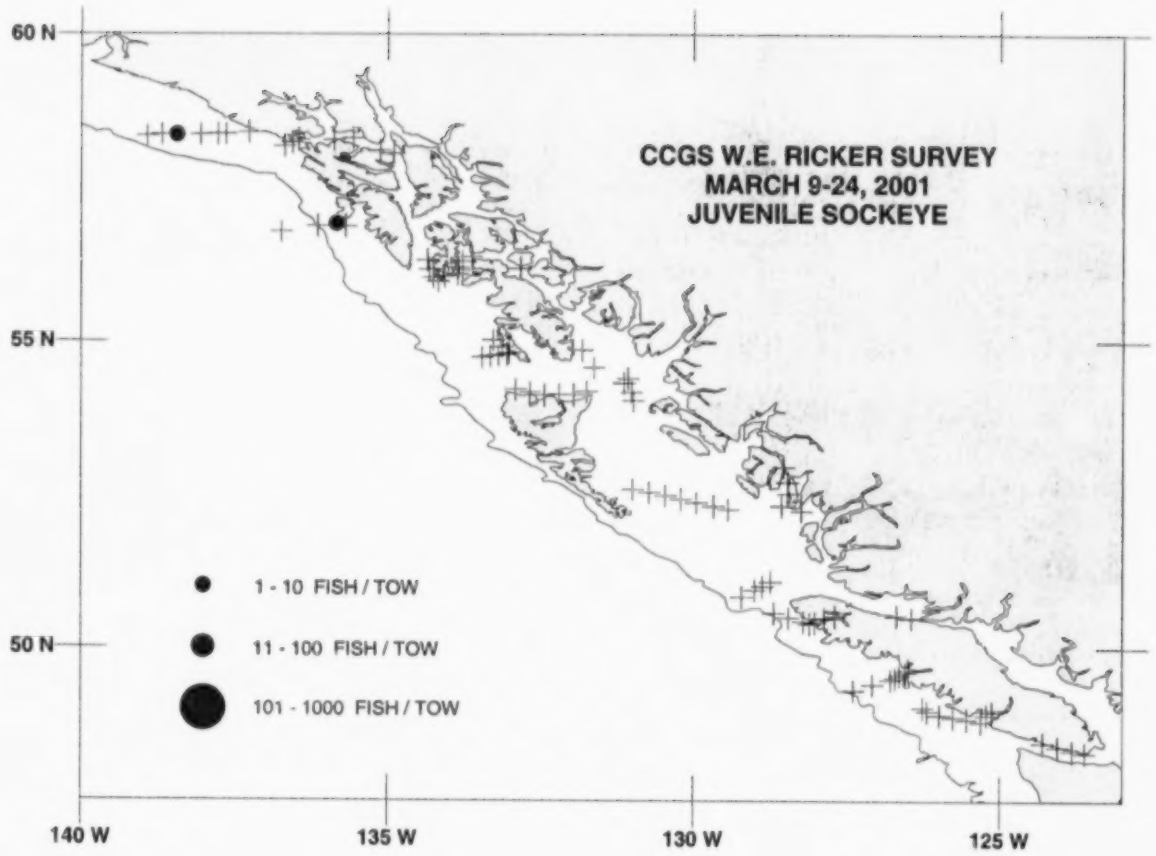

Figure 7. Distribution of juvenile (age *.1) sockeye salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

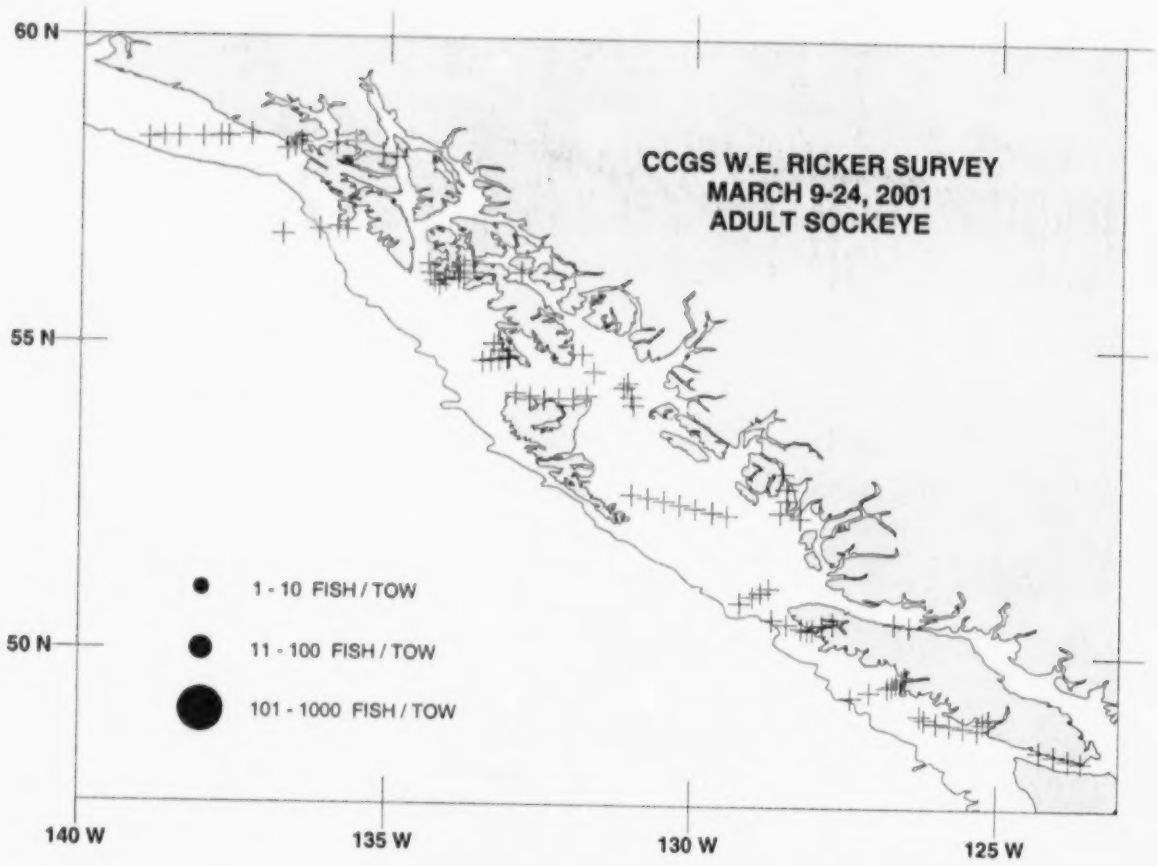

Figure 8. Distribution of adult (age *.2 and over) sockeye salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

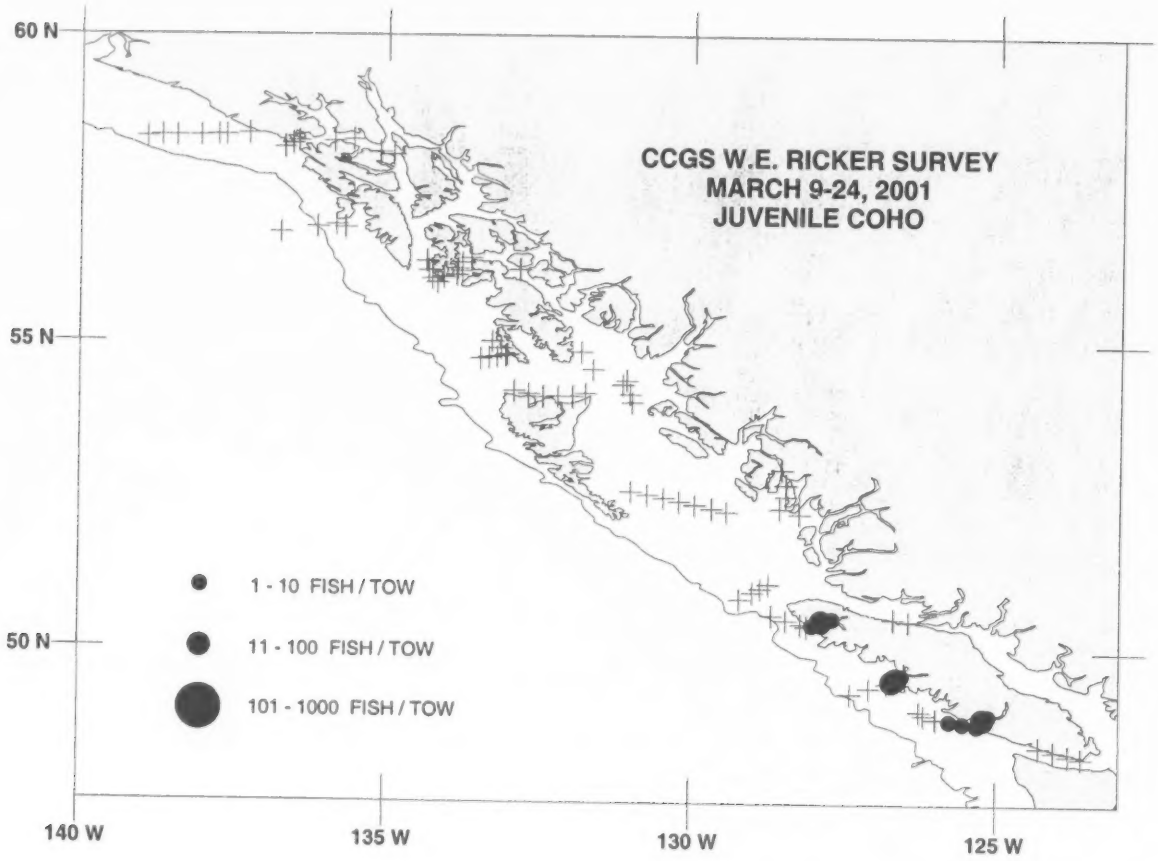

Figure 9. Distribution of juvenile (age *.1) coho salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

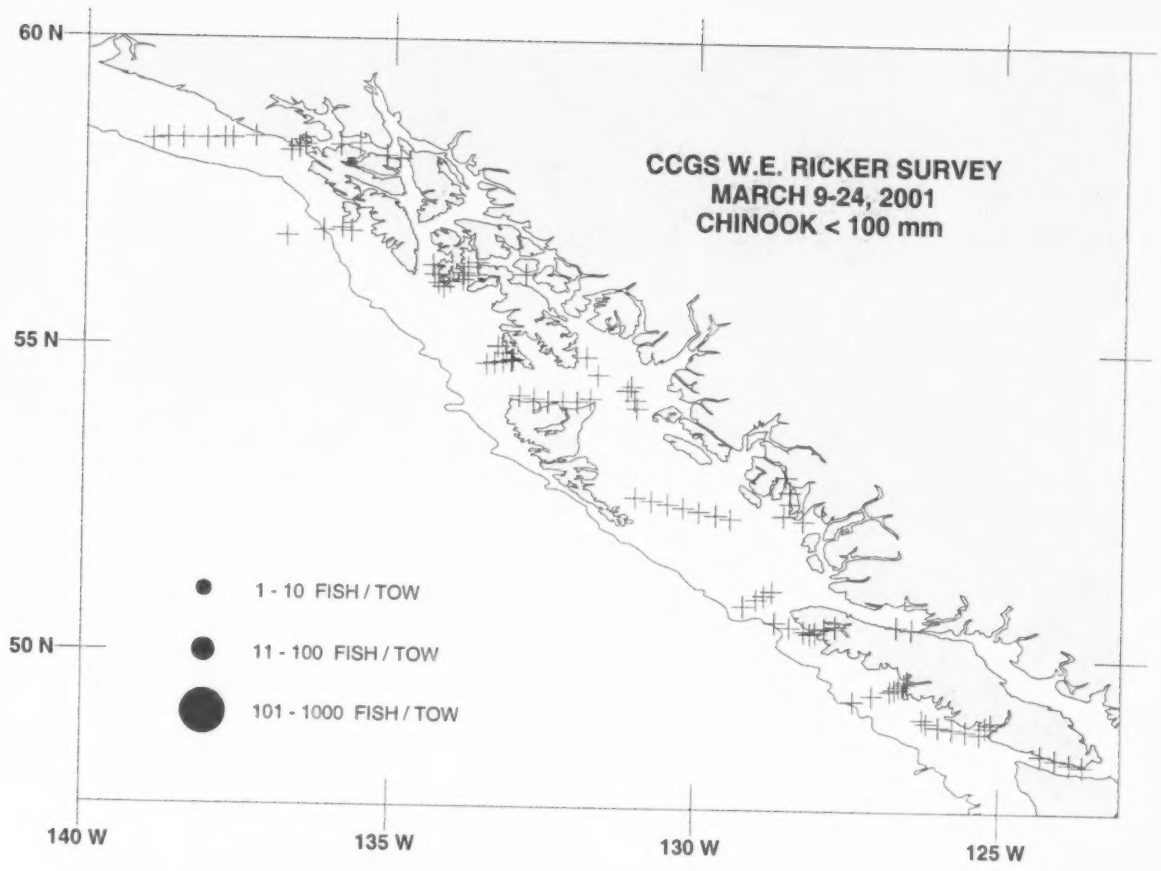

Figure 10. Distribution of catches of chinook salmon less100mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

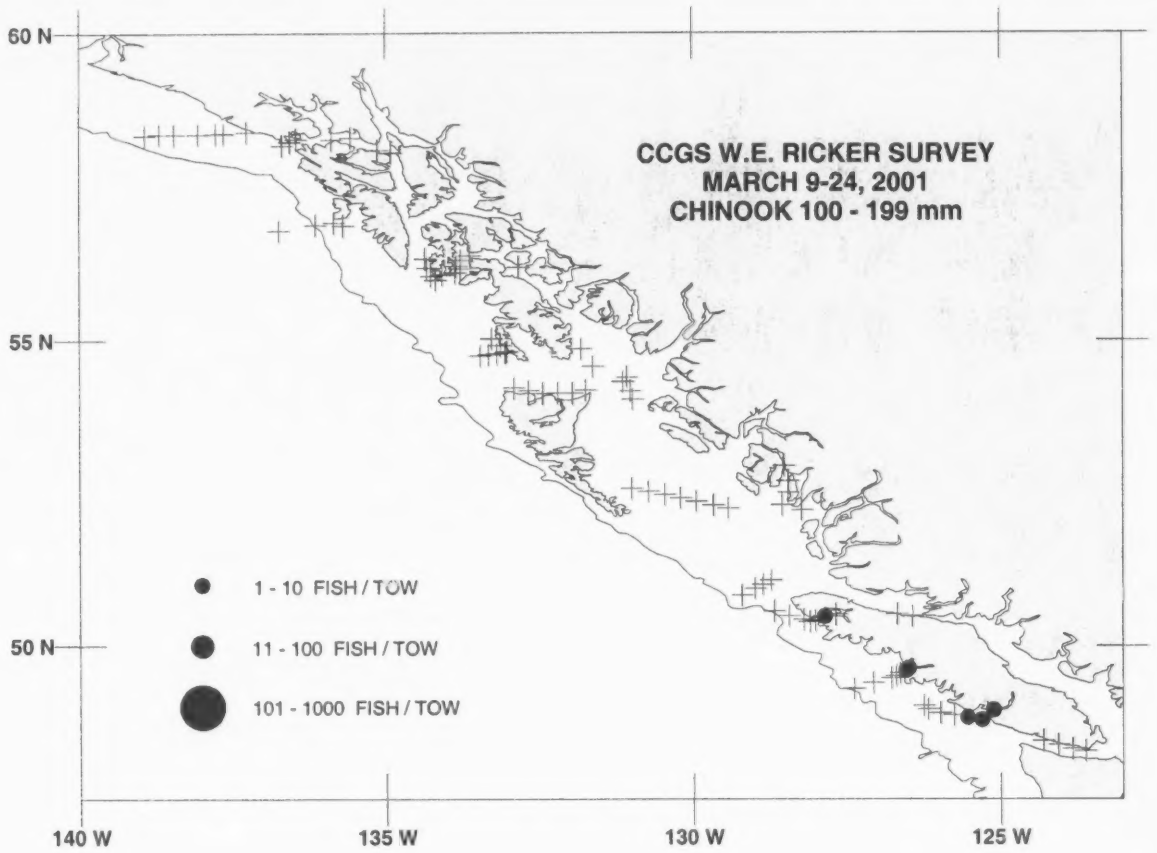

Figure 11. Distribution of catches of chinook salmon from 100 to 199mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

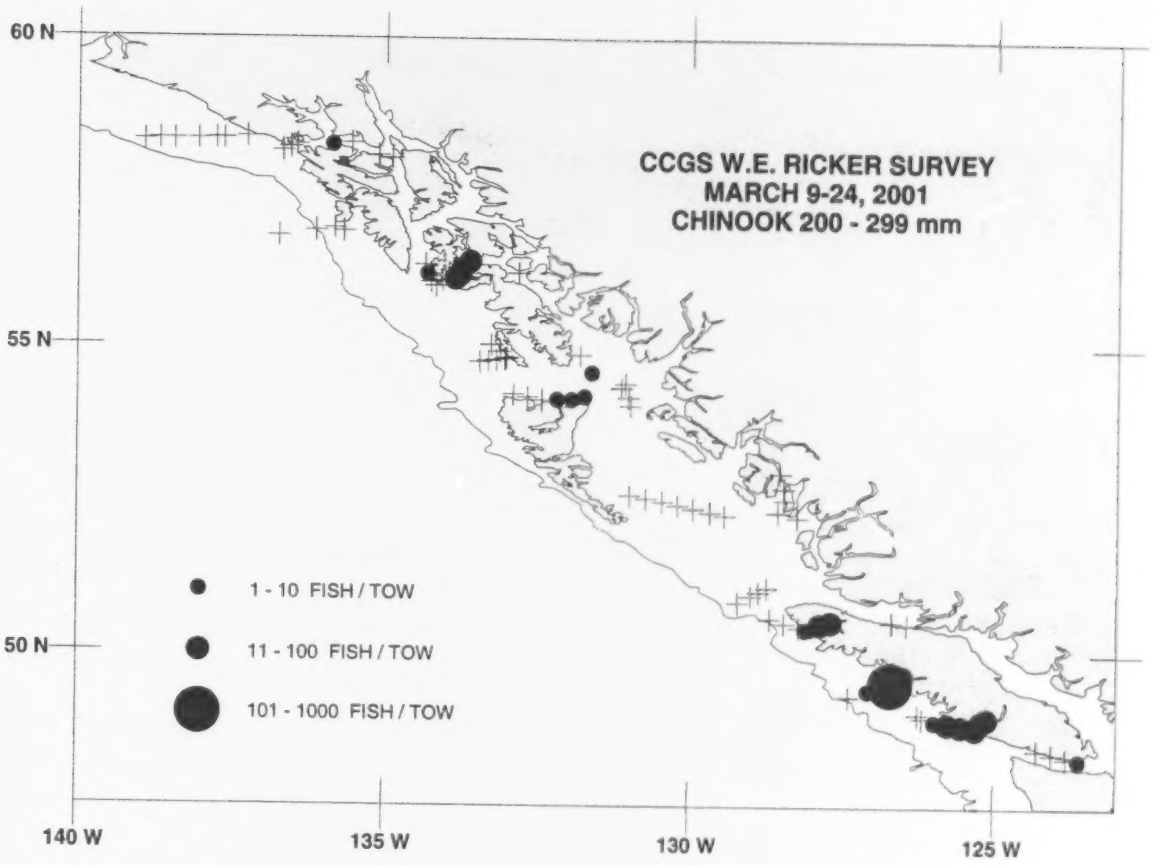

Figure 12. Distribution of catches of chinook salmon from 200 to 299mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

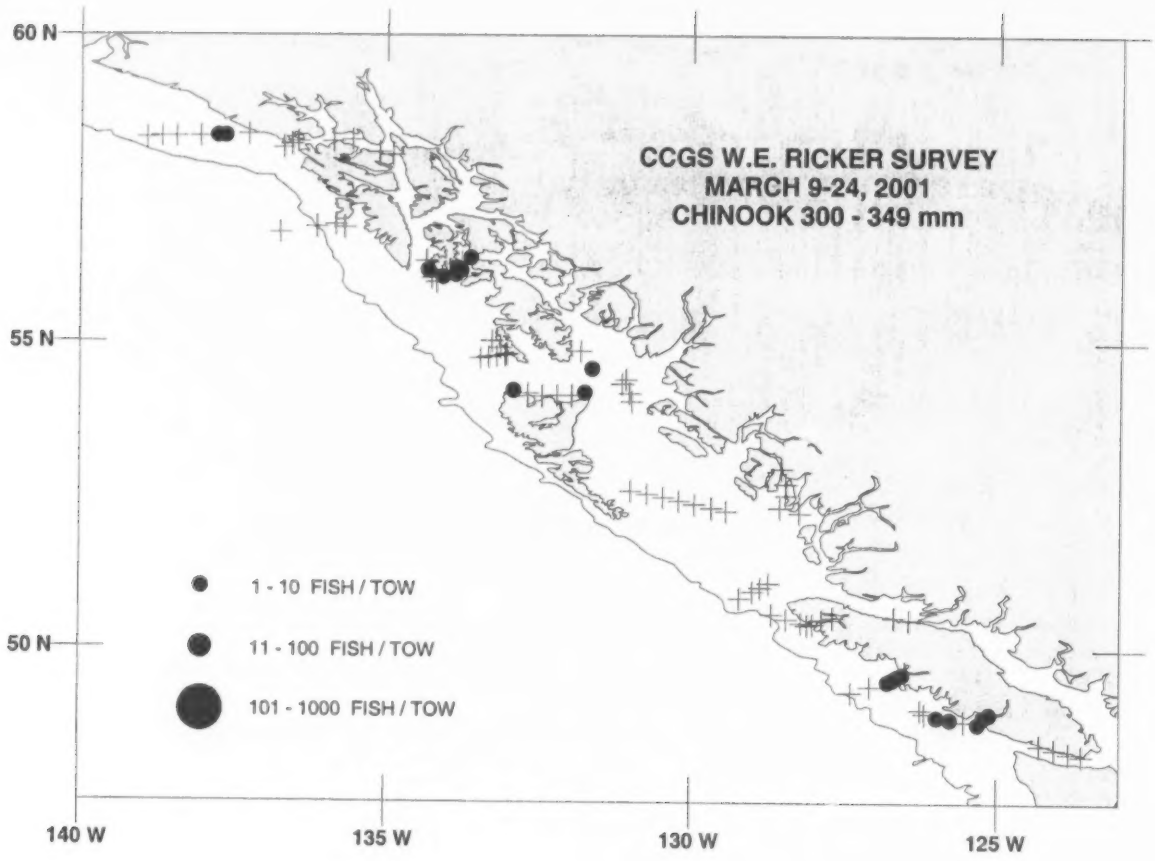

Figure 13. Distribution of catches of chinook salmon from 300 to 349mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

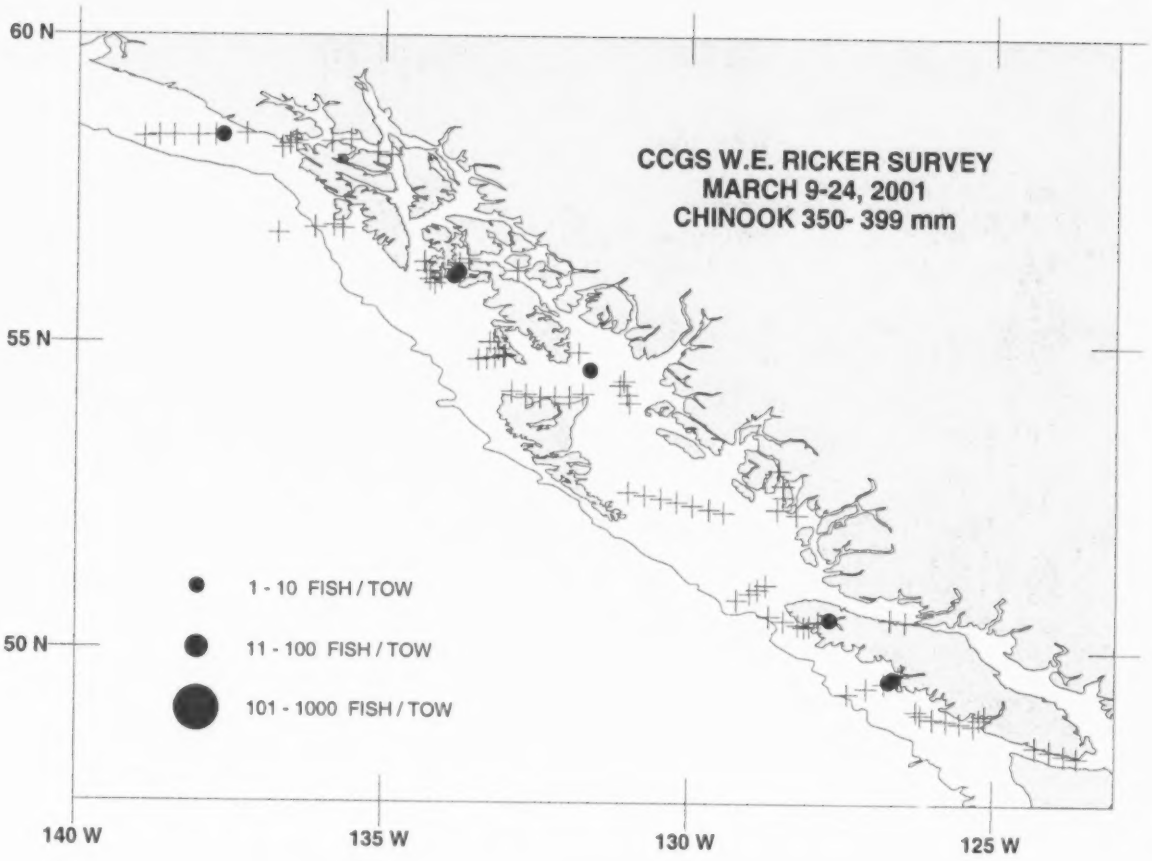

Figure 14. Distribution of catches of chinook salmon from 350 to 399mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

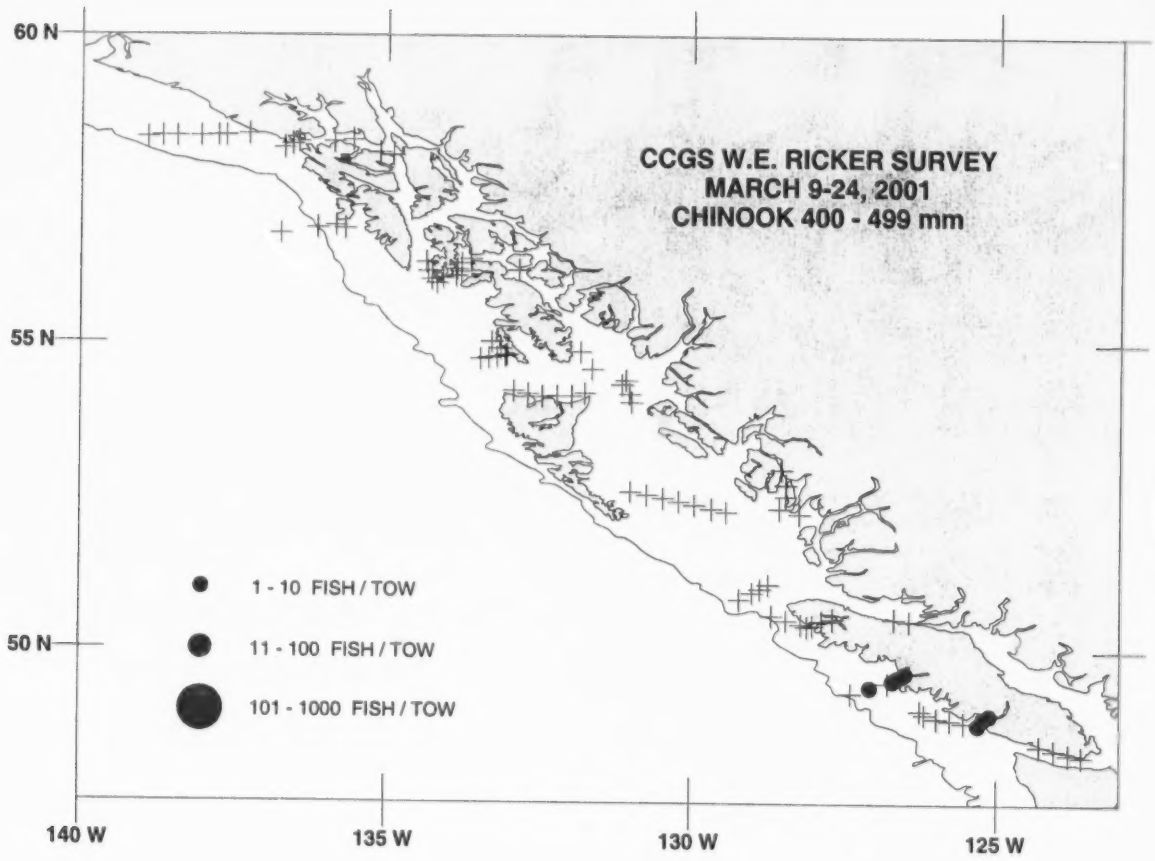

Figure 15. Distribution of catches of chinook salmon from 400 to 499mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

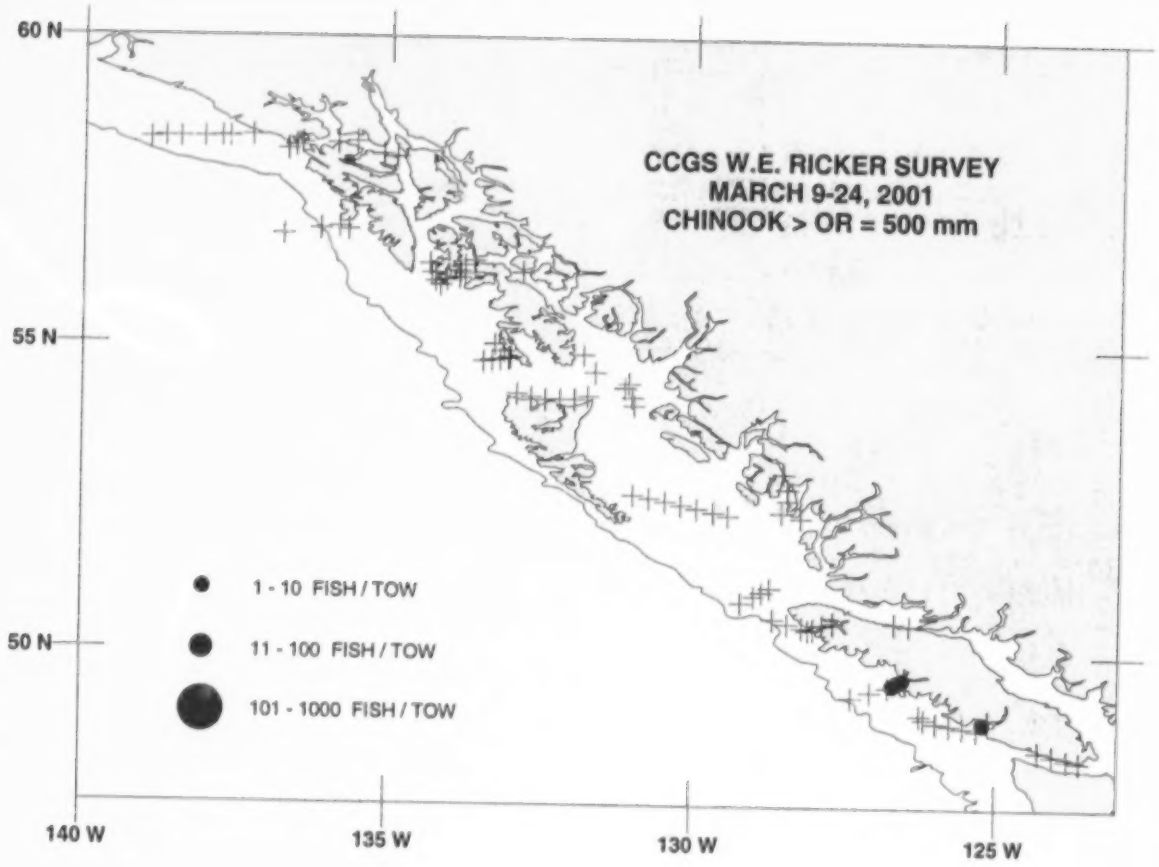

Figure 16. Distribution of catches of chinook salmon equal to or greater than 500mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

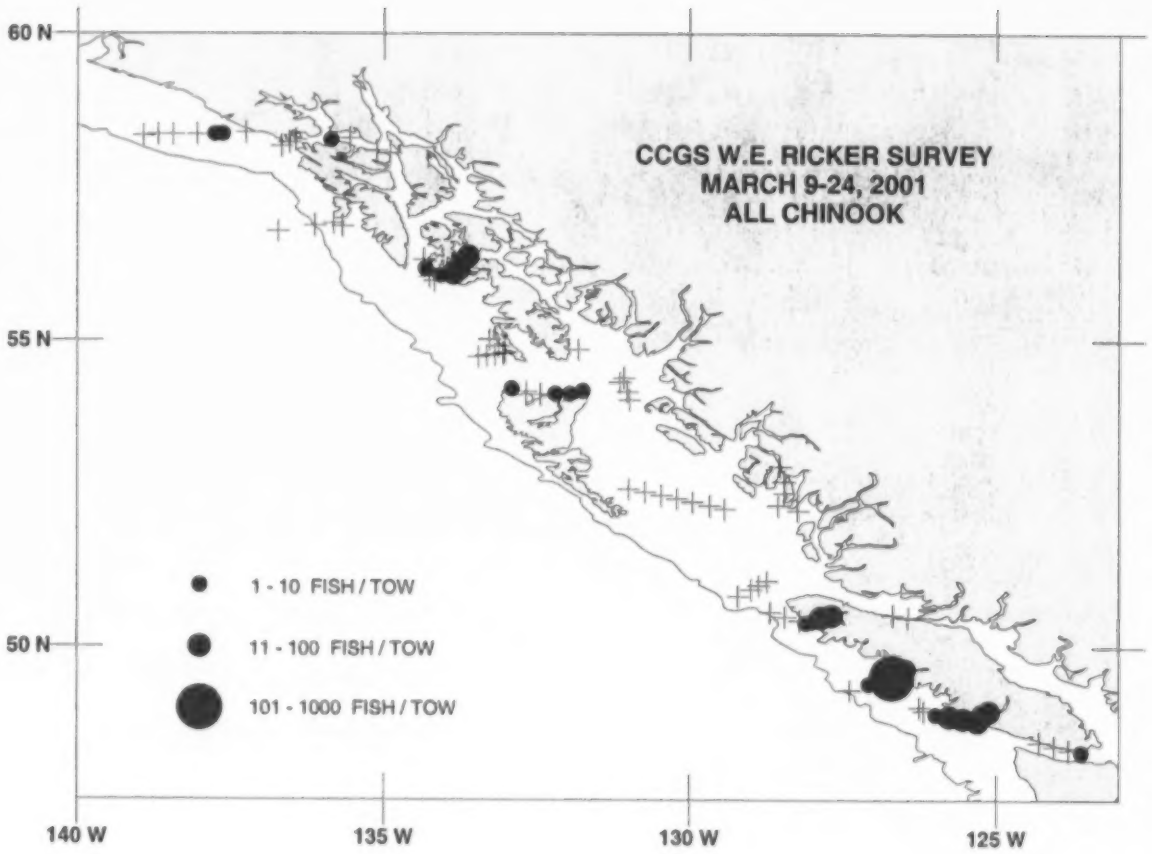

Figure 17. Distribution of catches of chinook salmon from all size classes. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

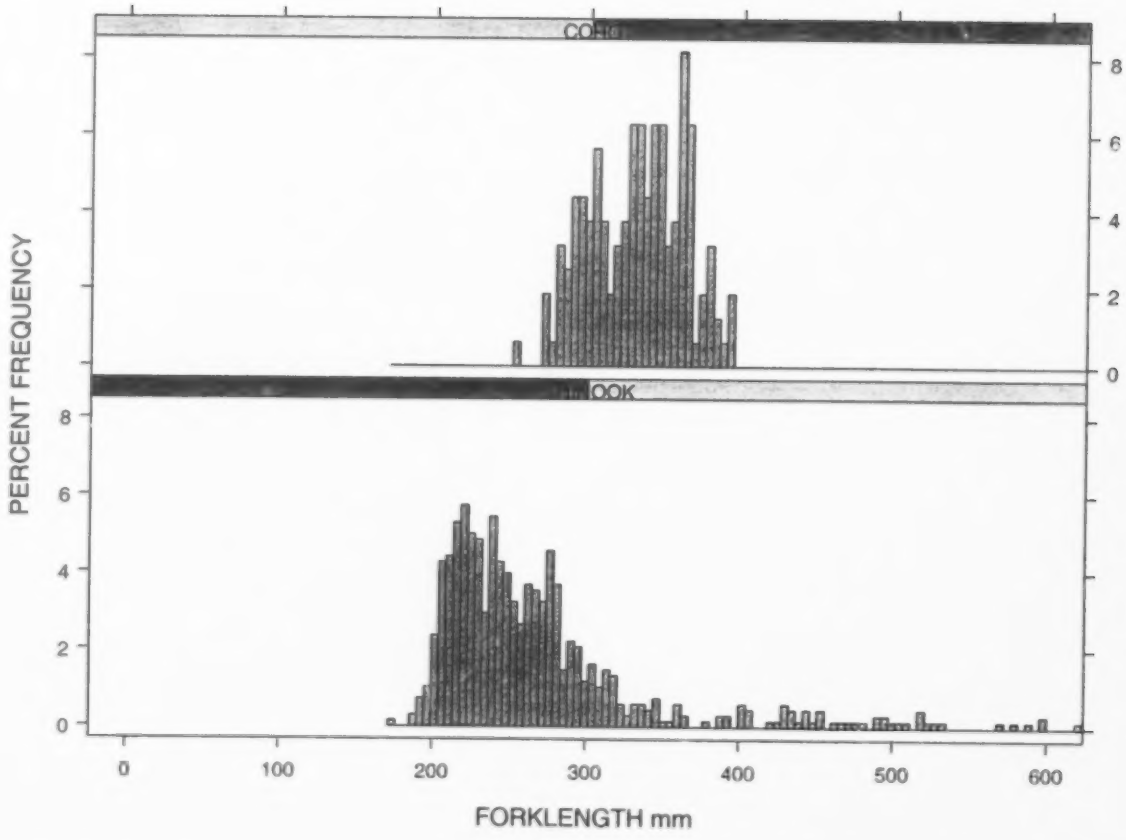

Figure 18. Size distribution (fork length; mm) of Pacific salmon caught on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001.

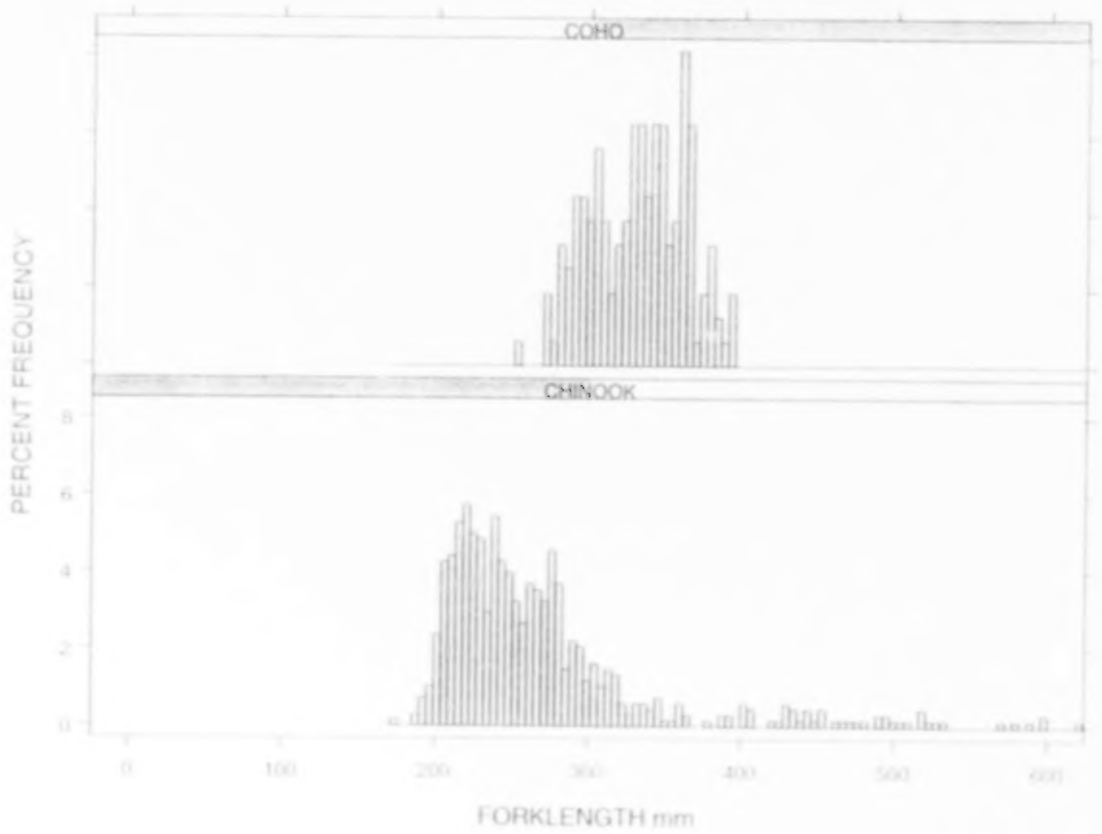

Figure 18. Size distribution (fork length; mm) of Pacific salmon caught on the CCGS W.E. Ricker survey to the Gulf of Alaska from March 9-24, 2001.